1	GSA Data Repository item 2019160
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3	Long, S.P., Mullady, C.L., Starnes, J.K., Gordon, S.M., Larson, K.P., Pianowski, L.S., Miller,
4	R.B., and Soignard, E., A structural model for the South Tibetan detachment system in
5	northwestern Bhutan from integration of temperature, fabric, strain, and kinematic data:
6	Lithosphere, v. 11, https://doi.org/10.1130/L1049.1
7	
8	Table DR1 (following 2 pages): Details on thin sections from the Dodena-Lingshi transect,
9	listed from structurally-low to high.

none	SGR	kfs,qz,pl,bt,ms	not oriented	parallel to lineation			¢	granite	GH	0	3345	89.62972	27.63250	SB16-21B	21B
none	not recrystallized	calc-silicates,pl,cal,qz,kfs	not oriented	random			•	calc-silicate gneiss	GH	0	3345	89.62972	27.63250	SB16-21C	21C
top-NW SC fabric	SGR	qz,ms,bt,calc-silicates,pl	81, 043	parallel to lineation	•	14, 316	17, 275	quartzite	THCk	150	3475	89.64233	27.64994	SB16-82	82
none	SGR	qz,bt,gr,calc-silicates	89, 255 73, 168	parallel to lineation		17, 345	17, 340	schist	THCk	175	3505	89.64397	27.65253	SB16-83A SB16-83B	83
TIOLE	SGN	qz,ωτ,pi,gi	81, 005	normal to lineation	,	IU, 104	11, 213	scriist	Incr	067	COCC	09.04372	2/000.12	SB16-84B	Ŷ
none	SGR	kfs,qz,pl,tur,ms	not oriented	random (no lineation)				granite	THCk	425	3285	89.63936	27.66678	SB16-87	87
ligite	J	, dr., cair., silicates, μι, cai	83, 333	normal to lineation		0, 100	CT 2, OT	calc-silicate griess	TICA	oct.	0000	03.03400	20000.12	SB16-113B	CTT
none	SGR	qz,calc-silicates,cal	83, 082	parallel to lineation		° 20	21, 300	calc-sili gneiss	THCk	575	3280	89.63953	27.66800	SB16-88	88
none	SGR	qz,bt,cal,calc-silicates,pl	76, 084 87, 351	normal to lineation	1			calcareous quartzite	THCK	700	3820	89.64222	27.66994	SB16-89A SB16-89B	68
none	SGR	kfs,qz,pl,ms,bt	not oriented	random (no lineation)	8			granite	THCk	750	3385	89.62297	27.68111	SB16-111	111
top-NW mica fish	SGR	qz,bt,chl	81, 065 87, 345	parallel to lineation normal to lineation	6, 277	5, 155	10, 220	schist	THCk	775	3380	89.64061	27.67858	SB16-91A SB16-91B	91
none	SGR	cal,calc-silicates,qz	85, 194 82, 101	parallel to lineation normal to lineation	×.	7, 281	10, 310	marble	THCk	850	3370	89.62058	27.67953	SB16-110A SB16-110B	110
none	not recrystallized	cal,qz,ms	85, 265 75, 354	normal to crenulation parallel to crenulation	2, 084		16, 165	marble	THCk	1175	3425	89.61319	27.68022	SB16-108A SB16-108B	108
none	not recrystallized	cal,qz,bt	71, 103 76, 006	parallel to lineation normal to lineation	9	17, 007	25, 240	marble	THCk	1275	3610	89.60744	27.68431	SB16-105A SB16-105B	105
none	SGR	cal,ms,qz	89, 010 64, 103	parallel to lineation normal to lineation	č	26, 281	26, 275	marble	THCk	1600	3750	89.59094	27.69431	SB16-93A SB16-93B	93
none	SGR	cal,qz,ms,clay minerals	88, 065 87, 335	normal to crenulation parallel to crenulation	12, 246		12, 230	marble	THCk	1775	3610	89.58142	27.69189	SB16-95A SB16-95B	95
top-S crenulated SC fabric	SGR	qz,ms,clay minerals	76, 108 74, 011	parallel to lineation normal to lineation	-C	17, 192	22, 235	phyllitic quartzite	THCk	1975	3580	89.57447	27.69264	SB16-97A SB16-97B	97
none	not recrystallized	cal,ms,clay minerals	82, 064 87, 157	parallel to lineation normal to lineation	,	2, 335	9, 265	marble	THCk	2225	3590	89.56486	27.69469	SB16-99A SB16-99B	99
top-SW crenulated SC fabric	not recrystallized	cal,ms,qz,gr	71, 110 88, 200	parallel to lineation normal to lineation	19, 260	0, 020	20, 290	calcareous phyllite	THCk	2375	3640	89.55153	27.70011	SB16-101A SB16-101B	101
none	BLG	cal,ms,clay minerals,qz	50, 068	normal to crenulation	27, 566		51, 200	marble	THCk	2700	3660	89.54231	27.70792	SB16-103	103
none	not recrystallized	cal.oz.ms	58, 111 not oriented	normal to lineation			20. 306	marble	THCk	3255	3760	89.52418	27.70990	LP-53B	54
none	not recrystallized	cal,qz,oxides,clay minerals	66, 216	parallel to lineation		41, 292	41, 334	marble	THCk	3275	3800	89.52175	27.70963	LP-53A	53
none	not recrystallized	cal,qz,clay minerals,ms,gr	73, 221 76, 130	parallel to lineation normal to lineation	÷	14, 309	21, 355	marble	THCk	3600	3800	89.51206	27.71179	LP-52A LP-52B	52
none	no qz	cal	not oriented	parallel to lineation			16, 005	marble	THCk	3675	3800	89.50758	27.71247	LP-51	51
top-SE SC fabric	not recrystallized	cal,clay minerals,qz,gr	86, 243 90, 152	parallel to lineation normal to lineation	5, 043	1, 334	5, 050	phyllite	THCk	4425	3920	89.48540	27.71180	LP-50A LP-50B	50
none	not recrystallized	cal,clay minerals,qz,gr,ms	61, 233 56, 136	parallel to lineation normal to lineation	5	16, 315	44, 356	marble	THCk	4650	3960	89.48080	27.71088	LP-49A LP-49B	49
top-SE C'-type shear bands	not recrystallized	cal,qz	82, 209 69, 114	parallel to lineation normal to lineation	ĉ	22, 293	25, 325	marble	THCk	4700	3960	89.48012	27.71112	LP-48A LP-48B	48
none	not recrystallized	cal,qz,clay minerals	86, 256 51, 164	parallel to lineation normal to lineation	X	40, 342	40, 350	marble	THCk	4950	3960	89.47379	27.71117	LP-46A LP-46B	46
none	not recrystallized	qz,clay minerals	87, 227 74, 147	parallel to lineation normal to lineation	a.	16, 316	16, 322	quartzite	THPzu	5700	4240	89.45913	27.72113	LP-45A LP-45B	45
none	not recrystallized	cal,gr,clay minerals	59,049	parallel to lineation			34, 205	limestone	THPzu	5850	4400	89.45821	27.74113	LP-44	44
none ton-NSC fabric ton-S asymmetric fold	not recrystallized	clay minerals,gr,qz	57, 254	parallel to lineation	.  .	30 354	35, 050	graphitic slate	THPzu	6750	4760	89.45203	27.76037	LP-42	42
none	not recrystallized	gr,clay minerals,qz	69, 259 27, 127	parallel to lineation normal to lineation	1		75, 352	graphitic slate	THMzu	8450	4200	89.43172	27.81483	LP-37A LP-37B	37
none	not recrystallized	gr,clay minerals,qz	74, 298 77, 021	parallel to lineation normal to lineation			19, 155	graphitic slate	THMzu	8775	4100	89.43178	27.82490	LP-36A LP-36B	36
none	not recrystallized	gr,clay minerals,qz	89, 248 87, 160	parallel to lineation normal to lineation	÷	13, 338	7, 324	graphitic slate	THMzu	9475	4000	89.43924	27.85412	LP-35A LP-35B	35
none	not recrystallized	gr,clay minerals,qz	57, 220 67, 121	parallel to lineation normal to lineation	3	21, 300	38, 355	graphitic slate	THMzu	9575	4040	89.44403	27.86438	LP-34A LP-34B	34
none	not recrystallized	clay minerals,gr,qz	84, 222 85, 112	normal to crenulation parallel to crenulation	12, 020		11, 225	slate	THMzu	9675	4200	89.43079	27.85516	LP-33A LP-33B	33
indicators	mechanism <sup>4</sup>	phases <sup>3</sup>	(d, dd) <sup>1</sup>	lineation	axis (tr, pl) <sup>2</sup>	I .	$(d, dd)^1$	Lithology	Map unit	Chekha Fm (m)		(dd.ddddd)	(dd.ddddd)	number	in text
Shear-sense	Quartz recrystallization	Major mineral	Thin section orientation	Orientation relative to	Crenulation cleavage	n Lineation	Foliation			height relative to base of	Altitude	Longitude	Latitude	Original thin section	section
										Structural					Thin

12 **Discussion DR1:** Analytical methods and supporting data for RSCM thermometry

13

Measurements were made at the LeRoy Eyring Center for Solid State Science at Arizona 14 State University, using a Raman spectrometer custom-built by E. Soignard. Carbonaceous 15 material (CM) was analyzed *in situ* on polished, foliation-normal, lineation-parallel thin sections. 16 The 532 nm laser was focused using a 50x ultra-long working distance Mitutoyo objective and 17 attenuated to a power of 3 mW at the sample. The probed area of CM for each measurement was 18 approximately 1 µm in diameter. Instrument parameters, settings, and procedures followed those 19 outlined in Cooper et al. (2013) and Long et al. (2016; 2017). The laser was focused on CM 20 situated beneath a transparent grain (typically quartz or calcite), after procedures outlined in 21 Beyssac et al. (2003). CM was analyzed for 120 seconds over a spectral window of 1100-2000 22 cm<sup>-1</sup>. Multiple grains of CM were analyzed from each sample (the total range is between 9 and 23 16 grains per sample), to allow evaluation of in-sample variation. 24 The center positions, heights, widths, and areas of four first-order Raman peaks, 25 including the G peak and three defect bands, D1, D2, and D3, are shown for individual analyses 26 on Table DR2. These parameters were determined using a peak fitting program written in Matlab 27 by E. Soignard, which allowed peaks to be fit by a combination of Gaussian and Lorentzian peak 28 shape, and background slope to be removed by using a 1<sup>st</sup>-order polynomial. R1 and R2 29 correspond to the height and area ratios as defined in equations 1 and 2 of Rahl et al. (2005), and 30 31 the peak temperature ( $T_{peak}$ ) for each analysis is calculated from equation 3 of Rahl et al. (2005). Analyses of each sample on Table DR2 are ordered from low to high peak temperature. Standard 32 means of R1, R2, and T<sub>peak</sub> for all analyses from each sample are shown. The internal variation 33 of R1, R2, and T<sub>peak</sub> from each sample is represented by 1 standard deviation on the mean. 34 35 However, the calibration equation of Rahl et al. (2005) also introduces an external  $\pm$  50 °C uncertainty in T<sub>peak</sub>. Therefore, after Cooper et al. (2013), in order to present a more 36 representative uncertainty, we calculated a propagated standard error (SE) by adding internal and 37 external uncertainties quadratically, and dividing by the square root of the number of analyses 38 39 (n). Mean T<sub>peak</sub> with this propagated 2 SE uncertainty is reported for each sample on Table 1 in the text. At 2 SE, typical error ranges are  $\pm$  30-50 °C. 40

42 **Table DR2** (following 6 pages): Supporting data for RSCM T<sub>peak</sub> determinations. Data for

43 individual CM spot analyses for each sample are shown, and are ordered from low to high  $T_{peak}$ .

44 Refer to Table DR1 for a guide to abbreviated sample numbers used in the text.

jept characterization																				
spit = 30_sport         146 / 150         157	Sample and	Pea	ak cente	er posit	ion		Peak	width			Peak a	mplitude			Peak	k area		Rat	ios	Tpeak
SB16-30_port1         1150         1586         1250         125         10         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1250         1260																				(°C)
Sel5-30_spect.         1363         1550         1586         162.         127         25         0.01         0.02         0.000         0           Sel5-430_spect.         1364         1550         1586         156         17         25         0.010         0.22         0.020         0.000																				621
SB16-30_port1         1362         1500         1587         152         12         62         0         1730         25         3078         0         0.072         558         0.035         0.008         0.028																				637 658
SB16-30_port         1364         1500         1586         1517         37         0         010         29         144         0         22124         224         0.028         0.027         0.026         0         S816-30_port         1586         1550         157         1517         13         0         16         15         20         0         1880         2         974         0         2239         987         0.011         0.032         7           S816-30_port1         1366         1550         1587         168         30         70         15         18         10         0         1600         120         0         1897         14         0         1207         0         1832         0         1397         374         0.007         0.037         7         15         15         1         0         1207         0         3388         207         0.007         0         15         15         1         0         1007         0         3388         207         0.007         0         7         185         10         0         3976         33         0         376         33         0.007         0         375         31																				675
SB16-30_spect         1560         1550         1556         1557         167         30         160         257         40         2359         0.017         0.046         7           SB16-30_spect         1865         1557         157         315         30         100         0.057         0.017         0.018         7         33         990         0.239         0.017         0.018         7         33         990         0.239         0.017         0.018         7         0.017         0.018         7         0.017         0.018         7         0.017         0.018         7         0.017         0.018         7         0.017         0.018         7         0.017         0.018         7         0.017         0.018         7         0.017         0.018         7         0.018         0.007         0.010         0.007         0.010         0.007         0.010         7         0.010         0.010         0.007         0.010         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001         0.001 <td></td> <td>680</td>																				680
SB16-30_sept1         IB36         ISS0         ISS0 <thiss0< th="">         ISS0         ISS0</thiss0<>																				696
SbiE 43, sport12         Lis 5         Lis 7         Lis 7         Dis 7 <thdis 7<="" th="">         Dis 7         Dis 7</thdis>						31		16	15	20	0				0		399			704
SB16-30_seved         1860         1550         1557         120         27         16         16         10         0         3362         22         421         0         33973         374         0.07         0.037         7           SB16-30_sport1         1366         1355         1557         120         5         70         155         15         15         15         15         11         0         2020         15         227         0         47595         11         0.007         0.03         70         155         15         1         0         3956         20         44286         100         0.005         0.005         70         155         15         1         0         1595         20         44286         100         0.000         0.000         10         10         (internal)         0.003         0.000         0.000         0.000         10         100<			1550	1586	1619	45	70	16	19	14	0	1255	33	990	0	29569	667	0.011	0.032	706
SB16-3_port16         I362         IS62         IS62 <this62< th="">         IS62         IS62</this62<>	SB16-30_spot12	1365	1550	1587	1619	30	70	15	19	18	0	1070	40	821	0	24397	808	0.017	0.032	709
State 3. sport18         Jisat         Jisate 3. sport17         Jisate 3. sport18         Jisate 3. sport14         Jisate	SB16-30_spot9	1360	1550	1586	1619	32	70	16	16	10	0	1360	22	421	0	31973	374	0.007	0.013	726
Sale 3. sport1         1362         156         35         7         15         12         5         0         2000         15         237         0         47.995         191         0.002         0.005         7           Sale 30. sport15         1363         1550         1586         161         0.00		1365	1550	1587	1620				18				15	362	0	36938	287			729
Split-30_sport17         1366         1550         156         11         0         2030         10         290         0         6.786         100         0.000         0.001         7           Split-30_sport17         1363         1550         1566         1618         31         70         15         15         1         0         1595         20         41         0         3576.3         310         0.001         0.001         7           Split-30_sport14         1363         1550         1566         1621         3         107         0         257         0         595         8         2588         0         4019         240         0.066         0.15         105         1150         1560         1560         1550         1580         1580         158         11         0         200         425         725         0.126         0.116         1151         156         130         130         150         1580         150         1580         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150 <td></td> <td>731</td>																				731
S816-3_port15         1363         1550         156         1         0         1595         20         41         0         37671         310         0.001         70           s816-3_port14         1363         1550         1586         1621         35         70         16         22         2         0         175         31         10022         0.443         0.000         0.000         0.000         0.000         16         156         156         10.000         0.0000         0.0	And a state of the																			732
neme         0.023         0.003         0.023         0.003         0.023         0.003         0.023         0.003																				732
10 (memal:         0.023         0.003         0.003         0.003         0.003         0.003         0.004         0.005         0.004         0.005         0.004         0.005         0.004         0.005         0.005         0.001         memalia	SB16-30_spot15	1363	1550	1586	1018	31	70	15	15	1	0	1232	20	41	0	35/61				736 698
SB16-3_spot14         1363         1550         1586         1617         16         22         22         0         175         31         1092         0         4255         1136         1550         1586         1580         1586         1580         1580         1586         1581         32         70         16         24         57         0         595         8         2588         0         1019         204         0064         0131         65           SB16-3_spot15         1361         1550         1585         1503         32         70         15         20         63         520         40         2246         0         12252         811         0.018         0.05         70         16         17         6         0         183         40         40         0         4599         723         0.033         0.037         7         3816-3_spot1         1365         1585         158         127         70         15         18         11         0         840         6         691         0         1915         1361         1001         0.037         7           3816-3_spot4         1365         1587         1587         173																1 a (ir				36
spring and 2 SF (Internal and external): a         is a spring and 2 SF (Internal and external): a           S016-3_port1         1863         1550         1586         1580         <																				9
SB16-3_sport14         1361         1550         1586         1621         35         70         16         24         57         0         595         8         2588         0         1019         20         4256         725         1024         0069         0154         005         005         131         1092         0         4256         725         0         1260         4006         0131         66         1361         1550         1586         1586         1386         1350         1581         1230         10         2266         0         12275         8516         1211         144         0         2286         22         1134         0         7006         491         0.064         0.013         065         0111         146         0         1343         10         420         1225         131         10         430         440         400         4430         4430         4430         4430         4430         4430         4430         4430         4430         4430         4430         4430         4430         4430         4440         4440         4440         4440         4440         4440         4440         4440         4440         4440 </td <td></td> <td>propag</td> <td></td> <td></td> <td></td> <td></td> <td>32</td>															propag					32
S816-3_port5         1365         1550         1566         123         32         70         16         24         57         0         598         82         2188         0         10401         204         0.096         0.136         6           S816-3_port15         1361         1550         1585         1623         35         70         14         17         14         0         206         0         5278         181         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.058         0.033         0.077         6         0         124         0         155         1564         0.013         0.058         0.033         0.072         7         5816-3_port1         1365         1550         1585         1621         30         7         15         184         0         156         100         17397         11         0.004         0.008         6         1586         162         35         7         14         17         14         0         850         50         158         150         1586																				15
S816-3_pop12         1344         1550         1585         161         32         70         16         21         19         0         298         22         134         0         7006         491         0.064         0.131         6           S816-3_pop115         1363         1550         1585         1620         35         70         14         17         14         0         240         10         645         0         25278         181         0.058         0.033         0.072         6         183         40         6         691         0         1933         115         0.013         0.035         7         1816         32         70         15         18         12         0         705         115         564         0         16611         220         0.08         7         115         164         10         1739         10.004         0.095         0         156         160         133         70         15         18         47         0         670         100         2045         0         1838         104         0.05         100         100         156         156         156         156         156         156 </td <td>SB16-3_spot14</td> <td>1363</td> <td>1550</td> <td>1586</td> <td>1621</td> <td>35</td> <td>70</td> <td>16</td> <td>22</td> <td>22</td> <td>0</td> <td>175</td> <td>31</td> <td>1092</td> <td>0</td> <td>4256</td> <td>725</td> <td>0.126</td> <td>0.180</td> <td>584</td>	SB16-3_spot14	1363	1550	1586	1621	35	70	16	22	22	0	175	31	1092	0	4256	725	0.126	0.180	584
5816-3_port16         1361         1550         1585         1623         32         70         15         20         63         0         520         40         2246         0         12252         851         10.11         0.146         6           S816-3_port13         1365         1550         1585         1620         35         70         16         17         14         0         240         10         645         0         5278         181         0.038         0.072         6         136         150         158         10.038         0.038         0.072         6         16         661         0         10.11         0.110         0.017         0.029         7         518         112         0.705         115         564         0         16.017         0.009         0.066         0.039         0.051         0.020         1         10.017         0.027         7         15         18         17         0         15         18         170         15         18         17         0         825         65         215         0         1818         180         0.041         0.057         0.0108         15         180         150	SB16-3_spot5	1365	1550	1586	1623	32	70	16	24	57	0	595	8	2588	0	14019	204	0.096	0.154	603
S816-3_pop15         1363         150         158         160         70         16         17         6         0         183         40         410         0         4599         723         0.033         0.072         6           S816-3_pop13         1362         1550         1587         1617         15         18         11         0         840         6         691         0         19153         115         0.033         0.072         7           S816-3_pop14         1366         1550         1587         1617         32         70         15         18         12         0         706         115         564         0         16611         2001         0.002         7           S816-3_pop14         1365         1550         1585         1617         31         70         15         18         47         0         825         65         215         0         18183         1244         0.057         0.020         15         158         1617         31         0         670         100         2045         1884         0.060         6         5816-9         59014         1358         162         37         15         17<	SB16-3_spot2	1364	1550	1585	1619	38	70		21	19	0	298	22	1134	0	7006	491	0.064	0.131	618
5816-3_sport3         1365         1550         1585         1615         50         70         16         17         6         0         818         40         410         0         4599         723         0.033         0.037         6           S816-3_sport6         1366         1550         1587         1617         32         70         15         18         12         0         705         115         564         0         16611         201         0.037         0.039         0.75           S816-3_sport4         1365         1550         1585         1617         32         70         15         18         12         0         705         115         564         0         16611         201         0.037         0.035         0.027         5         16         17         16         15         3         0         740         12         141         0         16301         0.037         0.037         0         0.040         0.037         16         17         15         16         17         15         16         163         163         1600         150         150         150         150         150         150         150																				619
SB16-3_sport3       1362       1580       1587       1617       32       70       15       18       11       0       800       6       691       0       19153       115       0.017       0.029       7         SB16-3_sport4       1365       1550       1587       1627       30       70       16       15       3       0       740       12       141       0       17397       191       0.004       0.004       0.005       7         SB16-3_sport4       1358       1550       1585       1627       30       70       15       18       17       0       740       12       141       0       17397       191       0.004       0.005       7       15       156       156       150       156       150       156       1617       31       0       65       2215       0       1838       1244       0.07       100       100       150       158       1628       1350       156       1621       35       70       15       17       43       0       850       2059       0       1808       970       0.025       0.056       6       5816-9       50       1550       1550									200											643
S816-3_sport6       1366       1550       1587       1617       32       70       15       18       12       0       705       115       564       0       1611       220       0.004       0.008       7         S816-3_sport6       1365       1550       1586       1622       30       70       16       15       3       0       740       12       141       0       17397       191       0.004       0.008       0.008       7         S816-3_sport6       1358       1550       1586       1617       31       70       15       18       47       0       825       65       2215       0       18183       1244       0.007       1002       15         S816-9_sport6       1362       1550       1586       1619       42       70       15       17       43       0       655       0       18087       90       0.010       0.026       0       18087       90       0.025       0.068       96       0       18087       100       150       158       162       137       15       15       29       0       1170       15       150       158       162       158       150 </td <td>and the second second</td> <td></td> <td>671</td>	and the second																			671
SB16-3_spot4         1365         1585         1622         30         70         16         15         3         0         740         12         141         0         17397         191         0.004         0.005         0           SB16-3_spot6         1585         1585         1621         158         158         1621         10         150         168         10         10         16         17         11         0         670         100         1683         1808         0.046         0.050         10         100         150         158         160         10         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150 <td></td> <td>705</td>																				705
mean:         0.059         0.004         0.059         0.044         0.059         15         110         Internal;         0.044         0.020         15         15         15         0.044         0.020         15         0.044         0.020         15         0.044         0.020         15         0.044         0.020         15         0.044         0.020         15         0.044         0.020         15         0.044         0.020         15         0.044         0.020         15         0.044         0.020         1         0.041         0.057         0.100         2045         0         18.183         1244         0.057         0.100         2045         0         18.83         1204         0.057         0.100         2045         0         18.83         1204         0.057         0.100         2045         0         18.36         1500         18.56         150         18.56         150         18.56         150         18.56         150         18.56         150         18.56         161         40         77         79         0.022         0.025         0.025         0.025         0.025         0.025         0.025         0.025         0.025         0.025         0.025																				712 730
10         (internal):         0.044         0.059         5           15         (internal):         0.015         0.020         1           5816-9_spot1         1358         1550         1585         1617         31         70         15         18         47         0         825         65         2215         0         18183         1244         0.057         0.026         0         16839         1808         0.046         0.098         6           5816-9_spot1         1361         1550         1586         1619         42         70         15         17         43         0         850         50         2059         0         18087         904         0.051         0.098         6         5816-9_spot1         1366         1550         1586         1620         35         70         15         15         29         0         1170         25         1594         0         26677         399         0.022         0.047         6         5816-9_spot1         1356         1585         1620         37         70         15         15         17         0         1420         15         0         30254         239         0.012 <td< td=""><td>5B16-3_spot4</td><td>1305</td><td>1550</td><td>1585</td><td>1622</td><td>30</td><td>70</td><td>16</td><td>15</td><td>3</td><td>0</td><td>740</td><td>12</td><td>141</td><td>0</td><td>1/39/</td><td></td><td></td><td></td><td>654</td></td<>	5B16-3_spot4	1305	1550	1585	1622	30	70	16	15	3	0	740	12	141	0	1/39/				654
SB16-9_spot6         1356         1550         1586         1617         31         70         15         18         47         0         825         65         2215         0         1813         1244         0.057         0.102         6           \$816-9_spot12         1362         1550         1586         1619         42         70         16         17         31         0         670         00         2045         0         16839         1004         0.057         0.102         6           \$816-9_spot14         1361         1550         1586         1622         35         70         15         17         43         0         850         50         2059         0         18087         904         0.051         0.093         6         5         5159         55         1595         1587         0.23804         106         0.022         0.047         6         5         5164         38406         936         0.022         0.047         6         5         5154         0         38406         936         0.022         0.047         6         5         5         1550         158         1621         38         70         15 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1 a (ir</td><td></td><td></td><td></td><td>50</td></td<>																1 a (ir				50
propagated 2 SE (internal and external: in iteration in the internal: i																				17
spite-9_spot6         1358         1550         1586         1617         31         70         15         18         47         0         825         65         2115         0         18183         1244         0.057         0.102         6           SB16-9_spot12         1362         1550         1586         1619         42         70         15         17         43         0         850         50         2059         0         18087         904         0.051         0.098         6           SB16-9_spot5         1360         1550         1586         1620         70         15         15         29         0         1170         23804         106         0.025         0.056         6         S816-9_spot5         1360         1550         1584         1622         38         70         15         12         23         0         1050         10         120         0         2371         128         0.022         0.046         6         S816-9_spot1         1354         1550         1587         150         158         161         0         1420         155         161         0         1420         155         0         31371         12 <td></td> <td>propag</td> <td></td> <td></td> <td></td> <td></td> <td>47</td>															propag					47
SB16-9_spot12         1362         1550         1586         1619         42         70         16         17         31         0         670         100         2045         0         16839         1808         0.046         0.099         6           SB16-9_spot14         1361         1550         1586         1622         35         70         15         12         27         0         1080         5         1587         0         23804         100         0.025         0.056         6           SB16-9_spot5         1360         1550         1585         1620         35         70         15         12         23         0         1050         100         120         0         22371         120         022371         128         0.022         0.047         6         5816-9_spot1         1354         1550         1585         1621         38         70         15         12         23         0         1050         100         1120         022371         128         0.002         0.012         0.022         0.046         0.018         7         5816-9_spot13         1355         1550         1586         1620         30         70         15																	•			9
SB16-9_spot14       1361       1550       1586       1622       35       70       15       17       43       0       850       50       2059       0       18087       904       0.051       0.098       6         SB16-9_spot5       1360       1550       1586       1618       40       70       15       15       20       27       0       1080       5       1584       0       2657       399       0.025       0.063       6         SB16-9_spot5       1360       1550       1584       1620       31       70       15       12       23       0       1050       10       1120       0       22371       128       0.022       0.047       6         SB16-9_spot1       1356       1550       1585       1620       31       70       15       11       9       0       1552       0       3178       0.022       0.047       6         SB16-9_spot10       1366       1550       1585       1620       30       70       15       11       9       0       1520       20       622       0       34657       234       0.006       0.018       7       5       5       1550	SB16-9_spot6	1358	1550	1585	1617	31	70	15	18	47	0	825	65	2215	0	18183	1244	0.057	0.102	646
SB16-9_spot8       1365       1550       1586       1618       40       70       15       20       27       0       1080       5       1587       0       23804       106       0.025       0.063       6         SB16-9_spot5       1350       1550       1584       1620       35       70       15       16       35       0       1170       25       1594       0       26677       399       0.022       0.047       6         SB16-9_spot1       1362       1550       1585       1620       31       70       15       12       23       0       1050       10       1120       0       22371       128       0.022       0.047       6         SB16-9_spot10       1366       1550       1585       1620       31       70       15       12       23       0       1050       10       120       232171       128       0.022       0.046       6         SB16-9_spot13       1355       1580       1585       1620       30       70       15       10       10       0       1580       5       455       0       3005       0.006       0.018       7       SB16-9_spot17       136	SB16-9_spot12	1362	1550	1586	1619	42	70	16	17	31	0	670	100	2045	0	16839	1808	0.046	0.099	647
SB16-9_spot5       1360       1550       1585       1620       35       70       15       15       29       0       1170       25       1594       0       26677       399       0.025       0.056       66         SB16-9_spot4       1358       1550       1584       1620       31       70       15       12       23       0       1050       10       1120       0       22371       128       0.022       0.047       66         SB16-9_spot1       1356       1550       1585       1620       30       70       15       12       26       0       1460       20       1552       0       32178       255       0.018       0.046       66         SB16-9_spot1       1366       1550       1586       1620       30       70       15       15       17       0       1420       15       801       0       30254       239       0.012       0.026       53       0.006       0.013       7         SB16-9_spot13       1355       1586       1622       30       70       15       12       7       0       1330       1       255       0       31337       13       0.006																				649
SB16-9_spot4       1358       1550       1584       1622       38       70       15       16       35       0       1630       55       1954       0       38406       936       0.022       0.047       6         SB16-9_spot1       1354       1550       1585       1620       31       70       15       12       26       0       1600       150       120       0.32178       255       0.018       0.046       6         SB16-9_spot10       1366       1550       1585       1620       30       70       15       15       17       0       1420       155       0.3254       239       0.012       0.026       7         SB16-9_spot13       1355       1550       1586       1622       44       70       15       10       10       0       1580       5       465       0       36026       53       0.006       0.018       7         SB16-9_spot17       1362       1550       1586       1622       30       70       15       16       1       0       1430       1       49       0       32605       17       0.001       0.001       7         SB16-9_spot18       1																				679
SB16-9_spot1       1362       1550       1585       1620       31       70       15       12       23       0       1050       10       1120       0       22371       128       0.022       0.047       66         SB16-9_spot1       1354       1550       1585       1620       30       70       15       12       26       0       1460       20       1552       0       32178       255       0.018       0.046       66         SB16-9_spot13       1355       1550       1586       1622       44       70       15       11       9       0       1520       20       622       0       34657       234       0.006       0.018       7.         SB16-9_spot13       1355       1550       1586       1622       30       70       15       12       7       0       1330       1       255       0       3137       13       0.005       0.008       7.         SB16-9_spot18       1365       1550       1586       1620       25       70       16       14       3       0       1240       1       91       0       32605       17       0.001       0.011       7. <td></td> <td>686</td>																				686
SB16-9_spot1       1354       1550       1585       1621       38       70       15       12       26       0       1460       20       1552       0       32178       255       0.018       0.046       66         SB16-9_spot10       1366       1550       1586       1622       30       70       15       11       9       0       120       0.22       0       33457       234       0.006       0.018       7         SB16-9_spot13       1355       1550       1586       1622       30       70       15       11       9       0       1520       20       622       0       34657       234       0.006       0.018       7         SB16-9_spot17       1362       1550       1586       1622       30       70       15       12       7       0       1330       1       255       0       31337       13       0.005       0.008       7         SB16-9_spot16       1355       1550       1586       1620       25       70       16       14       3       0       1240       1       91       0       30165       150       100       100       1001       100       1																				694 694
SB16-9_spot10       1366       1550       1585       1620       30       70       15       15       17       0       1420       15       801       0       30254       239       0.012       0.026       7.         SB16-9_spot13       1355       1550       1586       1622       44       70       15       10       0       1580       5       465       0       34657       234       0.006       0.013       7.         SB16-9_spot13       1358       1550       1586       1622       30       70       15       12       7       0       1330       1       255       0       31337       13       0.0005       0.008       7.         SB16-9_spot18       1362       1550       1586       1620       25       70       16       14       3       0       1240       1       91       0       30158       15       0.002       0.003       7.         SB16-9_spot16       1355       1550       1586       1620       20       70       15       16       1       0       1430       1       49       0       32605       17       0.001       0.017       7       1550 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.57</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>694</td></td<>									1.57											694
SB16-9_spot13       1355       1550       1586       1622       44       70       15       11       9       0       1520       20       622       0       34657       234       0.006       0.018       7.         SB16-9_spot3       1358       1550       1586       1622       30       70       15       12       7       0       1330       1       255       0       31337       13       0.005       0.008       7.         SB16-9_spot18       1365       1550       1586       1622       40       70       15       16       1       0       1340       1       49       0       3058       15       0.006       0.018       7.         SB16-9_spot16       1355       1550       1586       1622       40       70       15       16       1       0       140       1       49       0       3058       15       0.008       0.018       7.         SB16-9_spot16       1355       1550       1586       1621       40       70       16       21       145       0       1650       70       7345       0       38790       153       0.088       0.154       60       581																				714
SB16-9_spot3       1358       1550       1585       1624       34       70       15       10       10       0       1580       5       465       0       36026       53       0.006       0.013       7.         SB16-9_spot17       1362       1550       1586       1622       30       70       15       12       7       0       1330       1       255       0       31337       13       0.005       0.008       7.         SB16-9_spot18       1365       1550       1586       1620       25       70       16       14       3       0       1240       1       91       0       30158       15       0.002       0.001       70         SB16-9_spot16       1355       1550       1586       1625       40       70       15       16       1       0       1430       1       90       32605       17       0.001       0.01       70         SB16-9_spot16       1355       1550       1584       1621       40       70       16       21       145       0       1650       70       7345       0       38790       1530       0.088       0.154       66 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>721</td></td<>																				721
SB16-9_spot17       1362       1550       1586       1622       30       70       15       12       7       0       1330       1       255       0       31337       13       0.005       0.008       77         SB16-9_spot18       1365       1550       1586       1620       25       70       16       14       3       0       1240       1       91       0       30158       15       0.002       0.003       7         SB16-9_spot16       1355       1550       1586       1622       40       70       15       16       1       0       1430       1       49       0       32605       17       0.001       0.7         SB16-9_spot16       1355       1550       1586       1622       40       70       16       1       0       1430       1       49       0       32605       17       0.001       0.001       7         SB16-20_spot14       1350       1584       1621       40       70       16       21       145       0       1650       70       7345       0       38790       1530       0.88       0.135       6         SB16-20_spot18       1364										10	0				0					726
SB16-9_spot16       1355       1550       1586       1625       40       70       15       16       1       0       1430       1       49       0       32605       17       0.001       0.001       0.001       70         SB16-9_spot16       1355       1550       1586       1625       40       70       15       16       1       0       1430       1       49       0       32605       17       0.001       0.001       0.001       0.001       0.018       0.018       0.021       0.018       0.0		1362	1550	1586	1622	30	70	15	12	7	0	1330	1	255	0	31337	13	0.005	0.008	730
mean:         0.021         0.045         6           Ind (internal):         0.018         0.031         0.021         0.045         6           Ind (internal):         0.018         0.031         0.0056         0.005	SB16-9_spot18	1365	1550	1586	1620	25	70	16	14	3	0	1240	1	91	0	30158	15	0.002	0.003	735
Internal:       0.018       0.034       0.038       0.038       0.038       0.038       0.038       0.038       0.038       0.038       0.038       0.038       0.038       0.005 <t< td=""><td>SB16-9_spot16</td><td>1355</td><td>1550</td><td>1586</td><td>1625</td><td>40</td><td>70</td><td>15</td><td>16</td><td>1</td><td>0</td><td>1430</td><td>1</td><td>49</td><td>0</td><td>32605</td><td>17</td><td>0.001</td><td>0.001</td><td>736</td></t<>	SB16-9_spot16	1355	1550	1586	1625	40	70	15	16	1	0	1430	1	49	0	32605	17	0.001	0.001	736
SB16-20_spot1       1550       1584       162       16       21       145       0       0.005       0.007       0.005       0.007       0.005       0.007       0.005       0.007       0.007       0.007       0.007																				696
spite																				31
sBi6-20_spot4         1350         1584         1621         40         70         16         21         145         0         1650         70         7345         0         38790         1563         0.088         0.154         6           SB16-20_spot18         1364         1550         1585         1619         38         70         16         21         19         0         298         22         1134         0         7006         491         0.078         0.135         6           SB16-20_spot6         1348         1550         1583         1621         39         70         19         17         205         0         2020         100         9719         0         58340         1808         0.101         0.139         6           SB16-20_spot5         1351         1550         1584         1622         40         70         16         15         168         0         2320         80         8578         0         54425         1276         0.072         0.129         6           SB16-20_spot1         1347         1550         1584         1622         46         70         16         15         127         0         2270																•				8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$															propag	gated 2 SE	(interna	l and ex		31
SB16-20_spot18       1364       1550       1585       1619       38       70       16       21       19       0       298       22       1134       0       7006       491       0.078       0.135       6         SB16-20_spot6       1348       1550       1583       1621       39       70       19       17       205       0       2020       100       9719       0       58340       1808       0.101       0.139       6         SB16-20_spot5       1351       1550       1584       1622       40       70       19       19       124       0       1550       35       6425       1276       0.072       0.129       6         SB16-20_spot7       1347       1550       1584       1622       40       70       19       19       124       0       1550       35       6785       0       44766       707       0.080       0.130       6         SB16-20_spot1       1347       1550       1584       1622       46       70       19       18       95       0       1080       130       4933       0       30671       2489       0.088       0.129       6         S	SB16-20 spot4	1350	1550	158/	1621	40	70	16	21	145	0	1650	70	7345	0	38790	1563	0.088		14 601
SB16-20_spot6       1348       1550       1583       1621       39       70       19       17       205       0       2020       100       9719       0       58340       1808       0.101       0.139       6         SB16-20_spot5       1351       1550       1584       1623       42       70       16       15       168       0       2320       80       8578       0       56425       1276       0.072       0.129       60         SB16-20_spot7       1347       1550       1583       1622       40       70       19       19       124       0       1550       35       6785       0       44766       707       0.080       0.130       6         SB16-20_spot1       1347       1550       1584       1622       40       70       16       15       127       0       2270       80       7991       0       57051       1276       0.588       0.120       6         SB16-20_spot14       1350       1550       1585       1619       41       70       19       18       95       0       1080       130       4933       0       30671       2489       0.88       0.129																				618
SB16-20_spot5       1351       1550       1584       1623       42       70       16       15       168       0       2320       80       8578       0       56425       1276       0.072       0.129       66         SB16-20_spot7       1347       1550       1583       1622       40       70       19       19       124       0       1550       35       6785       0       44766       707       0.080       0.130       63         SB16-20_spot1       1347       1550       1584       1622       46       70       16       15       127       0       2270       80       7991       0       57051       1276       0.056       0.120       6         SB16-20_spot14       1350       1550       1585       1619       16       15       127       0       2270       80       7991       0       57051       1276       0.056       0.120       6         SB16-20_spot12       1350       1550       1585       1614       38       70       19       18       70       1100       28       3691       0       30671       2489       0.88       129       6       5816-20_spot91       132									12											621
SB16-20_spot7       1347       1550       1583       1622       40       70       19       19       124       0       1550       35       6785       0       44766       707       0.080       0.130       66         SB16-20_spot1       1347       1550       1584       1622       46       70       16       15       127       0       2270       80       7991       0       57051       1276       0.056       0.120       6         SB16-20_spot14       1350       1550       1585       1619       41       70       19       18       95       0       1080       130       4933       0       30671       2489       0.88       0.129       6         SB16-20_spot12       1352       1550       1585       1624       38       70       19       18       97       0       110       28       3691       0       3088       447       0.064       0.105       6         SB16-20_spot9       1352       1584       1622       45       70       19       17       62       0       1200       42       3958       0       34657       759       0.052       0.011       6																				622
SB16-20_sport1       1347       1550       1584       1622       46       70       16       15       127       0       2270       80       7991       0       57051       1276       0.056       0.120       65         SB16-20_spot14       1350       1550       1585       1619       41       70       19       18       95       0       1080       130       4933       0       30671       2489       0.088       0.129       6         SB16-20_spot12       1352       1550       1585       1624       38       70       19       15       71       0       110       28       3691       0       30671       2489       0.088       0.129       6         SB16-20_spot11       1352       1550       1584       1622       45       70       19       17       62       0       110       28       3691       0       30874       70.042       0.052       0.101       6         SB16-20_spot11       1343       1550       1584       1622       48       70       19       17       50       0       1360       130       3648       0       38623       2350       0.037       0.082																				624
SB16-20_spot14       1350       1550       1585       1619       41       70       19       18       95       0       1080       130       4933       0       30671       2489       0.088       0.129       6         SB16-20_spot12       1352       1550       1585       1624       38       70       19       15       71       0       1110       28       3691       0       30988       447       0.064       0.105       6         SB16-20_spot9       1352       1550       1584       1622       45       70       19       17       62       0       1200       42       3958       0       34657       759       0.052       0.101       6         SB16-20_spot11       1343       1550       1585       1621       48       70       19       17       50       0       1360       130       3648       0       38623       2350       0.037       0.082       6																				627
SB16-20_spot1         1352         1550         1584         1622         45         70         19         17         62         0         1200         42         3958         0         34657         759         0.052         0.101         66           SB16-20_spot11         1343         1550         1585         1621         48         70         19         17         50         0         1360         130         3648         0         38623         2350         0.037         0.082         66								19			0		130		0		2489			627
SB16-20_spot11 1343 1550 1585 1621 48 70 19 17 50 0 1360 130 3648 0 38623 2350 0.037 0.082 6		1352					70		15	71	0		28		0	30988	447			645
																				646
SB16-20 spot10   1353 1550 1585 1621   43 70 19 20   59 0 1300 50   3470 0 37546 1063   0.045 0.083   60																				662
	SB16-20_spot10															37546				664
																				664
																				735
	SB16-20_spot15	1353	1550	1282	1619	41	/0	1/	18	1	0	1200	1	52	U	37468				736
																10/				649 40
																				40
															propag					
																				14
	SB16-83_spot11	1356	1550	1584	1618	39	70	15	22	65	0	430	45	3210	0	9478	1053	0.151		

CD1C 02 cmot14																			
SB16-83_spot14	1349	1550	1583	1617	38	70	22	18	145	0	900	100	7537	0	28088	1914	0.161	0.201	572
SB16-83_spot15	1351	1550	1583	1615	36	70	22	20	160	0	870	170	7587	0	26666	3616	0.184	0.200	580
SB16-83 spot12	1357	1550	1585	1620	37	70	15	18	110	0	1100	25	5154	0	25081	479	0.100	0.168	589
	20.0	1550		A 444	43	70	15	18	23	0	750	25	222 22	0		479	0.031	0.086	10.000
SB16-83_spot7	1355		1584	1616									1554		15979				655
SB16-83_spot1	1351	1550	1582	1623	30	70	20	12	150	0	1970	40	6612	0	61889	510	0.076	0.096	659
SB16-83_spot13	1355	1550	1582	1620	35	70	16	11	70	0	1450	20	3103	0	35265	234	0.048	0.080	667
SB16-83_spot4	1349	1550	1583	1620	29	70	17	10	70	0	1650	1	3086	0	41384	11	0.042	0.069	677
SB16-83_spot5	1344	1550	1583	1620	41	70	17	10	13	0	640	1	837	0	14713	11	0.020	0.054	686
SB16-83_spot6	1346	1550	1583	1614	41	70	16	8	15	0	970	10	966	0	22017	85	0.016	0.042	698
									100-000				5000 - 100 -			10140	1000000000000		
SB16-83_spot17	1356	1550	1581	1620	35	70	19	15	12	0	820	8	596	0	23829	128	0.015	0.024	716
SB16-83_spot3	1348	1550	1581	1620	30	70	16	10	20	0	1750	5	942	0	42562	53	0.011	0.022	718
SB16-83_spot16	1352	1550	1582	1624	30	70	20	12	13	0	850	17	514	0	24354	217	0.015	0.021	720
																mean:	0.067	0.100	652
															1σ (ir	nternal):	0.060	0.072	60
																ternal):	0.017	0.020	17
														propa	gated 2 SE	(interna	and ex		43
																		n:	13
SB16-84_spot18	1353	1550	1585	1621	47	70	17	12	61	0	780	20	4503	0	20156	255	0.078	0.181	569
SB16-84_spot12	1350	1550	1585	1618	45	70	19	15	42	0	455	10	2777	0	13141	160	0.092	0.173	582
SB16-84_spot10	1356	1550	1585	1627	42	70	19	12	125	0	1460	30	7448	0	40372	383	0.086	0.155	599
SB16-84_spot9	1355	1550	1584	1625	44	70	19	14	105	0	1380	18	6554	0	38160	268	0.076	0.146	605
SB16-84_spot8	1354	1550	1584	1627	40	70	18	11	110	0	1380	15	5795	0	37758	175	0.080	0.133	620
	1000 C C C C C C C C C C C C C C C C C C			100000000					20201031101				12000 - 10000 H			00010000	2010/02/02/02/02/02	200000000000000000000000000000000000000	
SB16-84_spot2	1356	1550	1584	1619	34	70	15	13	50	0	830	20	2325	0	17030	277	0.060	0.118	630
SB16-84_spot4	1356	1550	1585	1623	35	70	17	10	65	0	1000	1	3112	0	24547	11	0.065	0.113	637
SB16-84_spot3	1357	1550	1584	1623	38	70	17	10	90	0	1670	5	4505	0	40274	53	0.054	0.100	648
SB16-84_spot5	1340	1550	1585	1616	55	70	16	15	12	0	530	14	903	0	11862	223	0.023	0.070	670
SB16-84_spot7	1355	1550	1585	1618	30	70	16	12	35	0	890	0	1330	0	20201	0	0.039	0.062	684
SB16-84_spot16	1353	1550	1584	1628	45	70	15	12	17	0	970	0	1202	0	20641	0	0.018	0.055	684
	1380	1550	1585	1618	20	70	16	12	10	0	2150	1	274	0	48120	13	0.005	0.006	733
SB16-84_spot6	1300	1550	1202	1010	20	70	10	12	10	0	2150	1	274	0	46120				
																mean:	0.056	0.109	638
																nternal):	0.028	0.051	46
															1 SE (ir	nternal):	0.008	0.015	13
														propag	gated 2 SE	(interna	and ext	ternal):	39
																		n:	12
SB16-113_spot7	1354	1550	1588	1629	53	70	28	22	105	0	310	25	7895	0	12313	585	0.339	0.380	431
SB16-113 spot15	1359	1550	1592	1628	45	70	29	16	400	0	820	120	24622	0	34941	2042	0.488	0.413	434
SB16-113_spot9	1351	1550	1588	1623	51	70	27	22	90	0	220	20	6279	0	9331	468	0.409	0.391	438
SB16-113_spot10	1359	1550	1591	1627	48	70	30	19	880	0	1700	220	55636	0	74936	4445	0.518	0.412	442
SB16-113_spot17	1359	1550	1592	1629	45	70	25	16	1200	0	2950	360	73865	0	112105	6126	0.407	0.385	444
Spio 115_spoti							20	14	635	0	1970	120	32167	0	57892	1787	0.322	0.350	459
SB16-113_spot6	1354	1550	1588	1629	40	70	20					0000000	100000000000000000000000000000000000000						100000
SB16-113_spot6	1354							13	350	0	1150	70	18296	0	33795	968		0.345	459 I
SB16-113_spot6 SB16-113_spot4	1354 1354	1550	1588	1629	43	70	20	13 20	350 160		1150 510	70 43	18296	0	33795 19534	968 915	0.304	0.345	459 463
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8	1354 1354 1354	1550 1550	1588 1588	1629 1625	43 49	70 70	20 27	20	160	0	510	43	10724	0	19534	915	0.304 0.314	0.344	463
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5	1354 1354 1354 1353	1550 1550 1550	1588 1588 1588	1629 1625 1629	43 49 49	70 70 70	20 27 19	20 15	160 400	0 0	510 1800	43 57	10724 23827	0 0	19534 50251	915 909	0.304 0.314 0.222	0.344 0.318	463 465
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot2	1354 1354 1354 1353 1357	1550 1550 1550 1550	1588 1588 1588 1588	1629 1625 1629 1624	43 49 49 47	70 70 70 70	20 27 19 27	20 15 15	160 400 285	0 0 0	510 1800 1020	43 57 57	10724 23827 18323	0 0 0	19534 50251 40465	915 909 909	0.304 0.314 0.222 0.279	0.344 0.318 0.307	463 465 493
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5	1354 1354 1354 1353	1550 1550 1550	1588 1588 1588	1629 1625 1629	43 49 49	70 70 70	20 27 19	20 15	160 400	0 0	510 1800	43 57	10724 23827	0 0	19534 50251	915 909	0.304 0.314 0.222	0.344 0.318	463 465
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot2	1354 1354 1354 1353 1357	1550 1550 1550 1550	1588 1588 1588 1588	1629 1625 1629 1624	43 49 49 47	70 70 70 70	20 27 19 27	20 15 15	160 400 285	0 0 0	510 1800 1020	43 57 57	10724 23827 18323	0 0 0	19534 50251 40465	915 909 909	0.304 0.314 0.222 0.279	0.344 0.318 0.307	463 465 493
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot2 SB16-113_spot16	1354 1354 1353 1353 1357 1356	1550 1550 1550 1550 1550	1588 1588 1588 1588 1588 1591	1629 1625 1629 1624 1624	43 49 49 47 47	70 70 70 70 70	20 27 19 27 31	20 15 15 20	160 400 285 125	0 0 0 0	510 1800 1020 320	43 57 57 65	10724 23827 18323 7738	0 0 0	19534 50251 40465 15079	915 909 909 1383	0.304 0.314 0.222 0.279 0.391	0.344 0.318 0.307 0.320	463 465 493 509
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot2 SB16-113_spot16 SB16-113_spot3 SB16-113_spot1	1354 1354 1353 1357 1356 1358 1357	1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1588 1591 1590 1590	1629 1625 1629 1624 1624 1625 1625	43 49 47 47 40 40	70 70 70 70 70 70 70	20 27 19 27 31 29 25	20 15 15 20 15 14	160 400 285 125 100 180	0 0 0 0 0	510 1800 1020 320 290 810	43 57 57 65 20 55	10724 23827 18323 7738 5877 9483	0 0 0 0 0	19534 50251 40465 15079 13210 29240	915 909 909 1383 319 819	0.304 0.314 0.222 0.279 0.391 0.345 0.222	0.344 0.318 0.307 0.320 0.303 0.240	463 465 493 509 515 548
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13	1354 1354 1353 1357 1356 1358 1357 1357	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589	1629 1625 1629 1624 1624 1625 1625 1625	43 49 47 47 40 40 45	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20	20 15 15 20 15 14 14	160 400 285 125 100 180 115	0 0 0 0 0 0	510 1800 1020 320 290 810 840	43 57 65 20 55 25	10724 23827 18323 7738 5877 9483 7341	0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389	915 909 1383 319 819 372	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137	0.344 0.318 0.307 0.320 0.303 0.240 0.215	463 465 493 509 515 548 550
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot2 SB16-113_spot16 SB16-113_spot3 SB16-113_spot1	1354 1354 1353 1357 1356 1358 1357	1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1588 1591 1590 1590	1629 1625 1629 1624 1624 1625 1625	43 49 47 47 40 40	70 70 70 70 70 70 70	20 27 19 27 31 29 25	20 15 15 20 15 14	160 400 285 125 100 180	0 0 0 0 0	510 1800 1020 320 290 810	43 57 57 65 20 55	10724 23827 18323 7738 5877 9483	0 0 0 0 0	19534 50251 40465 15079 13210 29240	915 909 1383 319 819 372 106	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178	463 465 493 509 515 548 550 570
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13	1354 1354 1353 1357 1356 1358 1357 1357	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589	1629 1625 1629 1624 1624 1625 1625 1625	43 49 47 47 40 40 45	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20	20 15 15 20 15 14 14	160 400 285 125 100 180 115	0 0 0 0 0 0	510 1800 1020 320 290 810 840	43 57 65 20 55 25	10724 23827 18323 7738 5877 9483 7341	0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108	915 909 1383 319 819 372 106 <b>mean:</b>	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178 0.327	463 465 493 509 515 548 550 570 481
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13	1354 1354 1353 1357 1356 1358 1357 1357	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589	1629 1625 1629 1624 1624 1625 1625 1625	43 49 47 47 40 40 45	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20	20 15 15 20 15 14 14	160 400 285 125 100 180 115	0 0 0 0 0 0	510 1800 1020 320 290 810 840	43 57 65 20 55 25	10724 23827 18323 7738 5877 9483 7341	0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>Ισ (ir</b>	915 909 1383 319 819 372 106 mean: nternal):	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178 0.327 0.068	463 465 493 509 515 548 550 570 481 45
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13	1354 1354 1353 1357 1356 1358 1357 1357	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589	1629 1625 1629 1624 1624 1625 1625 1625	43 49 47 47 40 40 45	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20	20 15 15 20 15 14 14	160 400 285 125 100 180 115	0 0 0 0 0 0	510 1800 1020 320 290 810 840	43 57 65 20 55 25	10724 23827 18323 7738 5877 9483 7341	0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 1σ (ir 1 SE (ir	915 909 1383 319 819 372 106 mean: nternal): nternal):	0.304 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178 0.327 0.068 0.018	463 465 493 509 515 548 550 570 481 45 12
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13	1354 1354 1353 1357 1356 1358 1357 1357	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589	1629 1625 1629 1624 1624 1625 1625 1625	43 49 47 47 40 40 45	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20	20 15 15 20 15 14 14	160 400 285 125 100 180 115	0 0 0 0 0 0	510 1800 1020 320 290 810 840	43 57 65 20 55 25	10724 23827 18323 7738 5877 9483 7341	0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>Ισ (ir</b>	915 909 1383 319 819 372 106 mean: nternal): nternal):	0.304 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178 0.327 0.068 0.018	463 465 493 509 515 548 550 570 481 45
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13	1354 1354 1353 1357 1356 1358 1357 1357	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589	1629 1625 1629 1624 1624 1625 1625 1625	43 49 47 47 40 40 45	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20	20 15 15 20 15 14 14	160 400 285 125 100 180 115	0 0 0 0 0 0	510 1800 1020 320 290 810 840	43 57 65 20 55 25	10724 23827 18323 7738 5877 9483 7341	0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 1σ (ir 1 SE (ir	915 909 1383 319 819 372 106 mean: nternal): nternal):	0.304 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178 0.327 0.068 0.018	463 465 493 509 515 548 550 570 481 45 12
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13	1354 1354 1353 1357 1356 1358 1357 1357	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589	1629 1625 1629 1624 1624 1625 1625 1625	43 49 47 47 40 40 45	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20	20 15 15 20 15 14 14	160 400 285 125 100 180 115	0 0 0 0 0 0	510 1800 1020 320 290 810 840	43 57 65 20 55 25	10724 23827 18323 7738 5877 9483 7341	0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 1σ (ir 1 SE (ir	915 909 1383 319 819 372 106 mean: tternal):	0.304 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178 0.327 0.327 0.068 0.018 ternal):	463 465 509 515 548 550 570 481 45 12 35
SB16-113_spot6 SB16-113_spot4 SB16-113_spot5 SB16-113_spot5 SB16-113_spot16 SB16-113_spot16 SB16-113_spot13 SB16-113_spot13 SB16-113_spot14 SB16-113_spot14	1354 1354 1354 1353 1357 1356 1358 1357 1357 1356	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588	1629 1625 1629 1624 1624 1625 1625 1627 1629	43 49 47 47 40 40 45 70 51	70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20 19	20 15 15 20 15 14 14 20	160 400 285 125 100 180 115 25 35	0 0 0 0 0 0 0 0	510 1800 1020 320 290 810 840 350	43 57 65 20 55 25 5 25 25 25	10724 23827 18323 7738 5877 9483 7341 2216 2351	0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 107 (ir <b>1 SE (ir</b> gated 2 SE	915 909 1383 319 819 372 106 mean: nternal): (internal): (internal)	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030 and ext 0.143	0.344 0.318 0.307 0.320 0.303 0.240 0.215 0.178 0.327 0.068 0.018 ternal): ternal): n: 0.253	463 465 493 509 515 548 550 570 481 45 12 35 12 35 15
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot14 SB16-113_spot14 SB16-113_spot14	1354 1354 1354 1353 1357 1356 1358 1357 1357 1356 1354 1354 1356	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588 1588	1629 1625 1629 1624 1625 1625 1627 1629 1629	43 49 47 47 40 40 45 70 51 48	70 70 70 70 70 70 70 70 70 70 70	20 27 19 27 31 29 25 20 19 19 18	20 15 15 20 15 14 14 20	160 400 285 125 100 180 115 25 35 38	0 0 0 0 0 0 0 0 0 0	510 1800 1020 320 290 810 840 350 245 380	43 57 65 20 55 25 5 25 5 25 20	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588	0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>107</b> (ir <b>1 SE (ir</b> <b>gated 2 SE</b> 6480 8954	915 909 1383 319 819 372 106 mean: nternal): (internal): (internal)	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030 and ext 0.143 0.100	0.344 0.318 0.307 0.320 0.240 0.215 0.178 0.327 0.068 0.018 ternal): n: 0.253 0.219	463 465 509 515 548 550 570 481 45 12 35 12 35 15 512 535
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot16 SB16-113_spot13 SB16-113_spot13 SB16-113_spot14 SB16-113_spot14 SB16-89_spot17 SB16-89_spot14 SB16-89_spot16	1354 1354 1354 1353 1357 1356 1358 1357 1357 1356 1355 1356 1354 1356 1341	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588 1588	1629 1625 1629 1624 1625 1625 1627 1629 1629	43 49 47 47 40 40 45 70 51 48 55	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 18 15 17	20 15 15 20 15 14 14 20 8 18 18 14 18	160 400 285 125 100 180 115 25 35 38 21		510 1800 1020 320 290 810 840 350 250	43 57 65 20 55 25 5 25 5 25 20 6	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>107 (ir 525)</b> <b>107 (ir</b> <b>1 SE (ir gated 2 SE</b> 6480 8954 6943	915 909 1383 319 819 372 106 mean: nternal): (internal): (internal): 298 115	0.304 0.314 0.222 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.308 <b>and ext</b> 0.143 0.100 0.081	0.344 0.318 0.307 0.320 0.240 0.215 0.178 0.327 0.068 0.018 ternal): n: 0.253 0.219 0.204	463 465 509 515 548 550 570 481 45 12 35 12 35 15 512 535 545
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot16 SB16-113_spot13 SB16-113_spot13 SB16-113_spot14 SB16-113_spot14 SB16-89_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot18	1354 1354 1354 1353 1357 1356 1358 1357 1357 1356 1357 1356 1354 1356 1341 1351	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588 1588 1588 1584 1584 1584	1629 1625 1629 1624 1625 1625 1627 1629 1627 1629	43 49 47 47 40 40 45 70 51 48 55 43	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18	20 15 15 20 15 14 14 20 8 14 18 14 18 18	160 400 285 125 100 180 115 25 35 38 21 41		510 1800 1020 320 290 810 840 350 245 380 260 350	43 57 55 20 55 25 5 25 20 6 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>107</b> (ir <b>1 SE (ir</b> <b>gated 2 SE</b> 6480 8954 6943 9310	915 909 1383 319 819 372 106 mean: nternal): (internal): (internal): 298 115 0	0.304 0.314 0.222 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.300 and ext 0.143 0.100 0.081 0.117	0.344 0.318 0.307 0.320 0.240 0.215 0.178 0.327 0.068 0.018 ternal): n: 0.253 0.219 0.204 0.200	463 465 493 509 515 548 550 570 481 45 12 35 15 512 535 545 560
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot5 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13 SB16-113_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot18 SB16-89_spot8	1354 1354 1354 1353 1357 1356 1358 1357 1357 1356 1356 1354 1356 1341 1351 1354	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588 1588 1584 1584 1584 1584 1584	1629 1625 1629 1624 1624 1625 1625 1627 1629 1629	43 49 47 47 40 40 45 70 51 48 55 43 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18 20	20 15 15 20 15 14 14 20 8 14 18 14 18 18 14	160 400 285 125 100 180 115 25 35 38 21 41 75		510 1800 1020 320 290 810 840 350 250 245 380 260 350 980	43 57 55 20 55 25 5 25 20 6 0 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322 4332	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>10 (ir 1 SE (ir gated 2 SE</b> 6480 8954 6943 9310 30788	915 909 1383 319 819 372 106 mean: nternal): (internal): (internal): (internal): 0 0	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030 and ext 0.143 0.100 0.081 0.117 0.077	0.344 0.318 0.307 0.320 0.240 0.215 0.178 0.327 0.068 0.018 <b>bernal):</b> <b>n:</b> 0.253 0.219 0.204 0.200 0.202	463 465 493 509 515 548 550 570 481 45 12 35 15 512 535 545 560 630
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot16 SB16-113_spot16 SB16-113_spot13 SB16-113_spot13 SB16-113_spot14 SB16-113_spot14 SB16-89_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot18	1354 1354 1354 1353 1357 1356 1358 1357 1357 1356 1357 1356 1354 1356 1341 1351	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588 1588 1588 1584 1584 1584	1629 1625 1629 1624 1625 1625 1627 1629 1627 1629	43 49 47 47 40 40 45 70 51 48 55 43	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18	20 15 15 20 15 14 14 20 	160 400 285 125 100 180 115 25 35 38 21 41		510 1800 1020 320 290 810 840 350 245 380 260 350	43 57 55 20 55 25 5 25 20 6 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>107</b> (ir <b>1 SE (ir</b> <b>gated 2 SE</b> 6480 8954 6943 9310	915 909 1383 319 819 372 106 mean: nternal): (internal): (internal): 298 115 0	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030 and ext 0.143 0.100 0.081 0.117 0.077	0.344 0.318 0.307 0.320 0.240 0.215 0.178 0.327 0.068 0.018 ternal): n: 0.253 0.219 0.204 0.200	463 465 493 509 515 548 550 570 481 45 12 35 15 512 535 545 560
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot5 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot13 SB16-113_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot18 SB16-89_spot8	1354 1354 1354 1353 1357 1356 1358 1357 1357 1356 1354 1356 1341 1351 1354	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588 1588 1584 1584 1584 1584 1584	1629 1625 1629 1624 1624 1625 1625 1627 1629 1629	43 49 47 47 40 40 45 70 51 48 55 43 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18 20	20 15 15 20 15 14 14 20 8 14 18 14 18 18 14	160 400 285 125 100 180 115 25 35 38 21 41 75		510 1800 1020 320 290 810 840 350 250 245 380 260 350 980	43 57 55 20 55 25 5 25 20 6 0 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322 4332	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>10 (ir 1 SE (ir gated 2 SE</b> 6480 8954 6943 9310 30788	915 909 1383 319 819 372 106 mean: nternal): (internal): (internal): (internal): 0 0	0.304 0.314 0.222 0.279 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030 and ext 0.143 0.100 0.081 0.117 0.077	0.344 0.318 0.307 0.320 0.240 0.215 0.178 0.327 0.068 0.018 <b>bernal):</b> <b>n:</b> 0.253 0.219 0.204 0.200 0.202	463 465 493 509 515 548 550 570 481 45 12 35 15 512 535 545 560 630
SB16-113_spot6 SB16-113_spot4 SB16-113_spot7 SB16-113_spot7 SB16-113_spot7 SB16-113_spot16 SB16-113_spot13 SB16-113_spot13 SB16-113_spot14 SB16-113_spot14 SB16-89_spot17 SB16-89_spot16 SB16-89_spot18 SB16-89_spot3	1354 1354 1354 1357 1356 1358 1357 1357 1356 1354 1354 1351 1354 1354 1354	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1591 1590 1590 1589 1588 1588 1584 1584 1584 1584 1584 1584	1629 1625 1629 1624 1625 1625 1627 1629 1629 1621 1624 1620 1621 1622 1626	43 49 47 47 40 45 70 51 48 55 43 38 90	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 29 25 20 19 19 18 18 15 17 18 20 15	20 15 15 20 15 14 14 20 18 18 14 18 18 14 18 18 14 15	160 400 285 125 100 115 25 35 38 21 41 75 12	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	510 1800 1020 320 290 810 840 350 245 380 260 350 980 535	43 57 55 20 55 5 5 25 5 25 5 20 6 0 0 0 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322 4332 1423	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 1σ (in 1 SE (in gated 2 SE 6480 8954 6943 9310 30788 12606	915 909 1383 319 819 372 106 mean: tternal): (internal): (internal): 0 298 115 0 0 0	0.304 0.314 0.222 0.279 0.345 0.222 0.137 0.071 0.318 0.117 0.300 and ext 0.143 0.100 0.081 0.117 0.077 0.022 0.040	0.344 0.318 0.307 0.320 0.205 0.215 0.275 0.327 0.068 0.018 ternal): n: 0.253 0.219 0.204 0.200 0.200 0.201	463 465 493 509 515 548 550 570 481 45 12 35 12 35 512 535 545 560 630 637
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot8 SB16-89_spot12 SB16-89_spot10	1354 1354 1354 1353 1357 1356 1358 1357 1356 1357 1356 1341 1354 1351 1354 1356 1341 1354 1356	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1590 1590 1590 1589 1588 1584 1584 1584 1584 1584 1584 1584	1629 1625 1629 1624 1625 1625 1625 1627 1629 1629 1624 1624 1620 1621 1622 1622	43 49 47 47 40 40 45 70 51 48 55 43 88 90 59 60	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18 20 15 18 18 18	20 15 15 14 14 20 20 18 18 14 18 18 14 15 14 14 14	160 400 285 125 100 180 115 25 38 21 41 75 12 59 45		510 1800 1020 290 810 840 350 245 380 260 350 980 535 1480 1100	43 57 55 20 55 25 5 25 20 6 0 0 0 0 0 0 0 0 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322 4332 1423 4762 3556	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>10 (ir</b> <b>1 SE (ir</b> <b>gated 2 SE</b> 6480 8954 6943 9310 30788 12606 40495 30600	915 909 909 1383 319 819 372 106 mean: tternal): (internal): (internal): (internal): 0 0 0 0 0 0 0	0.304 0.314 0.222 0.391 0.345 0.222 0.137 0.071 0.318 0.117 0.030 and ext 0.143 0.100 0.081 0.117 0.077 0.022 0.040 0.041	0.344 0.318 0.307 0.303 0.240 0.215 0.178 0.068 0.068 0.068 0.068 0.068 0.219 0.204 0.204 0.200 0.123 0.1015 0.105 0.104	463 465 493 509 515 548 550 570 481 45 12 35 15 512 535 545 545 560 630 637 638 639
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SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot5 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot8 SB16-89_spot8 SB16-89_spot12 SB16-89_spot10 SB16-89_spot10 SB16-89_spot11 SB16-89_spot11 SB16-89_spot6	1354 1354 1355 1357 1356 1358 1357 1356 1357 1356 1357 1356 1341 1351 1354 1355 1345 1345 1345 1345	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1590 1590 1590 1589 1588 1584 1584 1584 1584 1584 1584 1584	1629 1625 1629 1624 1625 1625 1627 1629 1627 1629 1621 1624 1622 1622 1622 1622 1622 1622	43 49 47 47 40 40 45 70 51 48 55 43 38 80 90 960 65 50 80 80 80 60 65	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18 18 17 18 18 17 18 17 17 17 17	20 15 15 14 14 20 18 14 14 20 18 14 18 18 14 15 14 14 14 14	160 400 285 125 100 180 115 25 38 21 41 75 12 59 45 32 41 14 32 7		510 1800 1020 320 810 840 350 245 380 260 350 980 535 1480 1100 1000 1080 1300 570	43 57 55 20 55 25 5 20 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322 4332 1423 4323 4762 3556 2845 2596 2611 660	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>107 (ir</b> <b>1 SE (ir</b> <b>6480</b> 8954 6943 9310 30788 12606 40495 30600 26704 29550 27473 33593 15221 23561 <b>10 (ir</b> <b>1 SE (ir</b>	915 909 909 1383 319 372 106 mean: tternal): (internal): (internal): 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.304 0.314 0.222 0.279 0.391 0.391 0.345 0.222 0.337 0.071 0.071 0.318 0.107 0.030 0.081 0.143 0.100 0.081 0.143 0.007 0.022 0.040 0.041 0.032 0.012 0.054 0.041	0.344 0.318 0.307 0.320 0.240 0.240 0.241 0.245 0.327 0.088 <b>ternal:</b> 0.253 0.219 0.204 0.204 0.200 0.204 0.200 0.204 0.200 0.204 0.200 0.204 0.305 0.204 0.305 0.	463 463 509 515 548 550 570 481 45 12 35 515 535 545 545 545 630 630 637 638 639 645 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 685 663 677 663 677 677 677 677 677 677 677
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot5 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot8 SB16-89_spot8 SB16-89_spot12 SB16-89_spot10 SB16-89_spot10 SB16-89_spot11 SB16-89_spot11 SB16-89_spot6	1354 1354 1355 1357 1356 1358 1357 1356 1357 1356 1357 1356 1341 1351 1354 1355 1345 1345 1345 1345	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1590 1590 1590 1589 1588 1584 1584 1584 1584 1584 1584 1584	1629 1625 1629 1624 1625 1625 1627 1629 1627 1629 1621 1624 1622 1622 1622 1622 1622 1622	43 49 47 47 40 40 45 70 51 48 55 43 38 80 90 960 65 50 80 80 80 60 65	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18 18 17 18 18 17 18 17 17 17 17	20 15 15 14 14 20 18 14 14 20 18 14 18 18 14 15 14 14 14 14	160 400 285 125 100 180 115 25 38 21 41 75 12 59 45 32 41 14 32 7		510 1800 1020 320 810 840 350 245 380 260 350 980 535 1480 1100 1000 1080 1300 570	43 57 55 20 55 25 5 20 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10724 23827 18323 7738 5877 9483 7341 2216 2351 2588 1814 2322 4332 1423 4323 4762 3556 2845 2596 2611 660	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>107 (ir</b> <b>1 SE (ir</b> <b>6480</b> 8954 6943 9310 30788 12606 40495 30600 26704 29550 27473 33593 15221 23561 <b>10 (ir</b> <b>1 SE (ir</b>	915 909 909 1383 319 372 106 mean: tternal): (internal): (internal): 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.304 0.314 0.222 0.379 0.391 0.345 0.222 0.137 0.316 0.317 0.316 0.117 0.300 0.0143 0.100 0.081 0.117 0.020 0.040 0.041 0.020 0.041 0.025 0.012 0.012 0.012 0.012 0.012	0.344 0.318 0.307 0.320 0.240 0.240 0.241 0.245 0.327 0.088 0.213 0.204 0.205 0.204 0.205 0.2070	463 463 509 515 515 515 515 512 35 12 35 512 535 535 535 535 535 535 535 535 535 53
SB16-113_spot6 SB16-113_spot4 SB16-113_spot8 SB16-113_spot5 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot1 SB16-113_spot14 SB16-113_spot14 SB16-89_spot14 SB16-89_spot16 SB16-89_spot8 SB16-89_spot8 SB16-89_spot12 SB16-89_spot1 SB16-89_spot1 SB16-89_spot1 SB16-89_spot4 SB16-89_spot2	1354 1354 1353 1357 1356 1358 1357 1356 1355 1356 1354 1355 1345 1345 1345 1345 1345 1345	1550 1550 1550 1550 1550 1550 1550 1550	1588 1588 1588 1590 1590 1590 1589 1588 1584 1584 1584 1584 1584 1584 1584	1629 1625 1629 1624 1625 1625 1627 1629 1627 1629 1624 1620 1621 1622 1622 1622 1622 1622 1622	43 49 47 47 40 40 40 45 70 51 48 55 43 38 90 65 50 80 65 50 80 60 65 50 80 40 60 60	70 70 70 70 70 70 70 70 70 70 70 70 70 7	20 27 19 27 31 29 25 20 19 19 18 15 17 18 20 15 18 18 17 18 17 17 17 17 17 17	20 15 15 20 15 14 14 20 20 20 20 20 20 20 20 20 20 20 20 20	160 400 285 125 100 115 25 38 21 41 75 12 59 45 32 41 14 32 7 10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	510 1800 1020 320 290 810 840 350 245 380 260 350 980 535 1480 1000 1080 1000 1300 570 1000	43 57 65 20 55 25 5 20 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10724 23827 18323 7738 5877 9483 7341 2216 2355 12588 1814 2322 4332 1423 4362 2432 1423 4362 2596 1759 2011 660 790	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19534 50251 40465 15079 13210 29240 26389 10108 <b>15E (ir</b> gated 2 SE 6480 8954 6943 9310 30788 12606 40495 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 29550 26704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27704 20550 27773 20550 275500 275500 275500 275500 275500 275500 275500 275500 275500 2750	915 909 909 1383 319 819 372 106 mean: tternal): (internal): 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.304 0.314 0.222 0.379 0.391 0.345 0.222 0.377 0.071 0.318 <b>and ext</b> 0.117 0.030 <b>and ext</b> 0.143 0.100 0.081 0.117 0.021 0.081 0.081 0.021 0.041 0.032 0.034 <b>and ext</b>	0.344 0.307 0.320 0.333 0.240 0.323 0.324 0.327 0.327 0.327 0.327 0.257 0.2040	463 465 509 515 548 550 570 481 45 512 35 512 535 545 560 633 633 645 663 645 663 677 685 663 677 706 626 61 61 42 14

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SB16-91 spot13	1353	1550	1582	1620	40	70	19	18	310	0	790	105	15703	0	22816	2010	0.392	0.387	438
SB16-91_spot10	1353	1550	1581	1620	43	70	27	15	184	0	450	20	10421	0	17236	319	0.409	0.373	457
SB16-91_spot4	1352	1550	1582	1621	45	70	23	15	315	0	1150	40	20828	0	40206	638	0.274	0.338	459
SB16-91_spot18	1355	1550	1582	1624	46	70	18	14	148	0	990	55	8622	0	27088	819	0.162	0.281	487
SB16-91_spot9	1353	1550	1581	1621	44	70	25	18	122	0	600	0	8432	0	22040	0	0.203	0.277	504
SB16-91_spot12	1351	1550	1583	1621	42	70	20	21	135	0	860	55	8187	0	27018	1228	0.157	0.225	546
									100000000000			100000					2 March Control March 19	200000000000000000000000000000000000000	100000
SB16-91_spot6	1355	1550	1583	1621	65	70	18	18	18	0	330	10	1482	0	9071	191	0.055	0.138	607
SB16-91_spot8	1358	1550	1582	1621	52	70	15	18	55	0	1210	0	4202	0	27129	0	0.046	0.134	609
SB16-91_spot7	1356	1550	1581	1621	61	70	17	18	22	0	950	0	2108	0	24549	0	0.023	0.079	660
									1000000								000000000000000000000000000000000000000		
SB16-91_spot3	1350	1550	1583	1626	45	70	19	18	48	0	1720	0	2955	0	46754	0	0.028	0.059	683
SB16-91_spot2	1360	1550	1583	1626	70	70	15	18	13	0	1150	0	1199	0	24501	0	0.011	0.047	691
SB16-91_spot17	1343	1550	1582	1623	45	70	16	12	22	0	1230	0	1455	0	29915	0	0.018	0.046	694
SB16-91_spot14	1355	1550	1583	1616	60	70	15	23	10	0	830	20	821	0	18925	489	0.012	0.041	698
	1								1										
SB16-91_spot15	1357	1550	1582	1616	40	70	16	23	15	0	1210	0	942	0	30411	0	0.012	0.030	709
																mean:	0.156	0.204	566
															1σ (ir	nternal):	0.148	0.142	110
																iternal):	0.037		10
																		0.035	28
														propag	gated 2 SE	(interna	l and ext	ternal):	61
																		n:	16
SB16-108_spot9	1352	1550	1589	1631	45	70	18	13	400	0	635	110	22339	0	17954	1521	0.630	0.534	338
	1	1550		1625			21		282	õ	385					558	0.732		
SB16-108_spot15	1351		1587		46	70		15				35	15112	0	12290			0.540	353
SB16-108_spot8	1356	1550	1587	1629	42	70	19	12	700	0	1520	113	34249	0	40237	1442	0.461	0.451	387
SB16-108_spot5	1351	1550	1587	1626	38	70	19	14	290	0	690	30	15074	0	18930	447	0.420	0.438	391
SB16-108_spot2	1351	1550	1587	1624	41	70	18	13	400	0	980	48	19937	0	25199	664	0.408	0.435	391
and the second sec		1550	1588	1630					350	0	1350	10000	20345	0		532	0.259	0.381	408
SB16-108_spot13	1354				45	70	17	10	1010100			50			32557			2000 C 2000 C 2000	
SB16-108_spot6	1346	1550	1588	1621	44	70	20	18	108	0	400	58	6982	0	11552	1110	0.270	0.355	439
SB16-108_spot17	1353	1550	1588	1626	41	70	20	13	140	0	445	25	7560	0	13077	346	0.315	0.360	446
SB16-108_spot3	1348	1550	1588	1622	45	70	21	18	240	0	780	60	13677	0	24068	1149	0.308	0.352	453
									017 01001	0		100000							
SB16-108_spot18	1354	1550	1588	1632	43	70	20	18	103		390	11	5834	0	11856	211	0.264	0.326	469
SB16-108_spot4	1349	1550	1587	1623	41	70	24	16	170	0	665	75	10241	0	22641	1276	0.256	0.300	494
SB16-108_spot1	1353	1550	1588	1625	42	70	20	15	315	0	1345	40	16754	0	41572	638	0.234	0.284	505
SB16-108_spot16	1354	1550	1588	1628	46	70	21	15	140	0	680	10	7829	0	21707	160	0.206	0.264	518
																	21 1304-2		
SB16-108_spot14	1337	1550	1588	1624	16	70	19	15	450	0	590	10	9666	0	17040	160	0.763	0.360	551
SB16-108_spot7	1362	1550	1589	1630	42	70	24	14	200	0	1950	90	11490	0	66390	1340	0.103	0.145	615
																mean:	0.375	0.368	450
	,														1 <i>a</i> (ii	nternal):	0.189	0.099	74
															1 SE (ir	nternal):	0.049	0.026	19
																		N	
														propag	gated 2 SE	(interna	l and ext	ternai):	46
														propag	gated 2 SE	(interna	l and ext		
SP16 105 spot6	1250	1550	1590	1610	55	70	22	21	07	0	125	25	6700					n:	15
SB16-105_spot6	1350	1550	1589	1619	55	70	33	21	87	0	135	25	6788	0	6998	558	0.644	<b>n:</b> 0.473	15 406
SB16-105_spot6 SB16-105_spot9	1350 1356	1550 1550	1589 1589	1619 1620	55 51	70 70	27	21 23	87 115	0	135 245	25 45	6788 8023					n:	15
SB16-105_spot9														0	6998	558	0.644	<b>n:</b> 0.473	15 406
SB16-105_spot9 SB16-105_spot7	1356 1359	1550 1550	1589 1589	1620 1621	51 51	70 70	27 31	23 19	115 49	0 0	245 89	45 20	8023 3418	0 0 0	6998 9720 4194	558 1101 404	0.644 0.469 0.551	n: 0.473 0.426 0.426	15 406 416 435
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2	1356 1359 1357	1550 1550 1550	1589 1589 1588	1620 1621 1624	51 51 53	70 70 70	27 31 33	23 19 16	115 49 93	0 0 0	245 89 200	45 20 23	8023 3418 7242	0 0 0 0	6998 9720 4194 10367	558 1101 404 391	0.644 0.469 0.551 0.465	n: 0.473 0.426 0.426 0.402	15 406 416 435 440
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1	1356 1359 1357 1358	1550 1550 1550 1550	1589 1589 1588 1588	1620 1621 1624 1621	51 51 53 52	70 70 70 70	27 31 33 33	23 19 16 15	115 49 93 95	0 0 0	245 89 200 205	45 20 23 35	8023 3418 7242 7258	0 0 0 0 0	6998 9720 4194 10367 10626	558 1101 404 391 558	0.644 0.469 0.551 0.465 0.463	n: 0.473 0.426 0.426 0.402 0.394	15 406 416 435 440 448
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2	1356 1359 1357	1550 1550 1550	1589 1589 1588	1620 1621 1624	51 51 53	70 70 70	27 31 33	23 19 16	115 49 93	0 0 0	245 89 200	45 20 23	8023 3418 7242	0 0 0 0	6998 9720 4194 10367	558 1101 404 391	0.644 0.469 0.551 0.465	n: 0.473 0.426 0.426 0.402	15 406 416 435 440
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1	1356 1359 1357 1358	1550 1550 1550 1550	1589 1589 1588 1588	1620 1621 1624 1621	51 51 53 52	70 70 70 70	27 31 33 33	23 19 16 15	115 49 93 95	0 0 0	245 89 200 205	45 20 23 35	8023 3418 7242 7258	0 0 0 0 0	6998 9720 4194 10367 10626	558 1101 404 391 558	0.644 0.469 0.551 0.465 0.463	n: 0.473 0.426 0.426 0.402 0.394	15 406 416 435 440 448
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4	1356 1359 1357 1358 1358 1357	1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590	1620 1621 1624 1621 1625 1623	51 51 53 52 51 53	70 70 70 70 70 70	27 31 33 33 29 35	23 19 16 15 21 19	115 49 93 95 135 52	0 0 0 0 0	245 89 200 205 265 100	45 20 23 35 40 20	8023 3418 7242 7258 8370 3770	0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498	558 1101 404 391 558 893 404	0.644 0.469 0.551 0.465 0.463 0.509 0.520	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390	15 406 416 435 440 448 453 466
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3	1356 1359 1357 1358 1358 1357 1359	1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590	1620 1621 1624 1621 1625 1623 1626	51 53 52 51 53 51	70 70 70 70 70 70 70	27 31 33 33 29 35 35	23 19 16 15 21 19 16	115 49 93 95 135 52 87	0 0 0 0 0	245 89 200 205 265 100 185	45 20 23 35 40 20 35	8023 3418 7242 7258 8370 3770 6519	0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171	558 1101 404 391 558 893 404 596	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377	15 406 416 435 440 448 453 466 468
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4	1356 1359 1357 1358 1358 1357	1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590	1620 1621 1624 1621 1625 1623	51 51 53 52 51 53	70 70 70 70 70 70	27 31 33 33 29 35	23 19 16 15 21 19	115 49 93 95 135 52	0 0 0 0 0	245 89 200 205 265 100	45 20 23 35 40 20	8023 3418 7242 7258 8370 3770	0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498	558 1101 404 391 558 893 404 596 563	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378	15 406 416 435 440 448 453 466 468 475
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3	1356 1359 1357 1358 1358 1357 1359	1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590	1620 1621 1624 1621 1625 1623 1626	51 53 52 51 53 51	70 70 70 70 70 70 70	27 31 33 33 29 35 35	23 19 16 15 21 19 16	115 49 93 95 135 52 87	0 0 0 0 0	245 89 200 205 265 100 185	45 20 23 35 40 20 35	8023 3418 7242 7258 8370 3770 6519	0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171	558 1101 404 391 558 893 404 596	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377	15 406 416 435 440 448 453 466 468
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3	1356 1359 1357 1358 1358 1357 1359	1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590	1620 1621 1624 1621 1625 1623 1626	51 53 52 51 53 51	70 70 70 70 70 70 70	27 31 33 33 29 35 35	23 19 16 15 21 19 16	115 49 93 95 135 52 87	0 0 0 0 0	245 89 200 205 265 100 185	45 20 23 35 40 20 35	8023 3418 7242 7258 8370 3770 6519	0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210	558 1101 404 391 558 893 404 596 563	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378	15 406 416 435 440 448 453 466 468 475
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3	1356 1359 1357 1358 1358 1357 1359	1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590	1620 1621 1624 1621 1625 1623 1626	51 53 52 51 53 51	70 70 70 70 70 70 70	27 31 33 33 29 35 35	23 19 16 15 21 19 16	115 49 93 95 135 52 87	0 0 0 0 0	245 89 200 205 265 100 185	45 20 23 35 40 20 35	8023 3418 7242 7258 8370 3770 6519	0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 <b>1σ (i</b> π	558 1101 404 391 558 893 404 596 563 mean: nternal):	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029	15 406 416 435 440 448 453 466 468 475 445 22
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3	1356 1359 1357 1358 1358 1357 1359	1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590	1620 1621 1624 1621 1625 1623 1626	51 53 52 51 53 51	70 70 70 70 70 70 70	27 31 33 33 29 35 35	23 19 16 15 21 19 16	115 49 93 95 135 52 87	0 0 0 0 0	245 89 200 205 265 100 185	45 20 23 35 40 20 35	8023 3418 7242 7258 8370 3770 6519	0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 1σ (ir 1 SE (ir	558 1101 404 391 558 893 404 596 563 mean: nternal): nternal):	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010	15 406 416 435 440 448 453 466 468 475 445 22 7
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3	1356 1359 1357 1358 1358 1357 1359	1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590	1620 1621 1624 1621 1625 1623 1626	51 53 52 51 53 51	70 70 70 70 70 70 70	27 31 33 33 29 35 35	23 19 16 15 21 19 16	115 49 93 95 135 52 87	0 0 0 0 0	245 89 200 205 265 100 185	45 20 23 35 40 20 35	8023 3418 7242 7258 8370 3770 6519	0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 <b>1σ (i</b> π	558 1101 404 391 558 893 404 596 563 mean: nternal): nternal):	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010 ternal):	15 406 416 435 440 448 453 466 468 475 445 22 7 7 37
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot5 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3 SB16-105_spot8	1356 1359 1357 1358 1358 1357 1359 1356	1550 1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1590 1590 1590 1589	1620 1621 1624 1621 1625 1623 1626 1624	51 53 52 51 53 51 49	70 70 70 70 70 70 70 70	27 31 33 29 35 35 35 34	23 19 16 15 21 19 16 23	115 49 93 95 135 52 87 68	0 0 0 0 0 0	245 89 200 205 265 100 185 135	45 20 23 35 40 20 35 23	8023 3418 7242 7258 8370 3770 6519 4727	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE	558 1101 404 391 558 893 404 596 563 mean: nternal): nternal): (internal)	0.644 0.469 0.551 0.465 0.509 0.520 0.470 0.504 0.511 0.055 0.018	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010 ternal): n:	15 406 416 435 440 448 453 466 468 475 445 22 7 37 9
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot4 SB16-105_spot3	1356 1359 1357 1358 1358 1357 1359	1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590	1620 1621 1624 1621 1625 1623 1626	51 53 52 51 53 51	70 70 70 70 70 70 70	27 31 33 33 29 35 35	23 19 16 15 21 19 16	115 49 93 95 135 52 87	0 0 0 0 0	245 89 200 205 265 100 185	45 20 23 35 40 20 35	8023 3418 7242 7258 8370 3770 6519	0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 1σ (ir 1 SE (ir	558 1101 404 391 558 893 404 596 563 mean: nternal): nternal):	0.644 0.469 0.551 0.465 0.509 0.520 0.470 0.504 0.511 0.055 0.018	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010 ternal):	15 406 416 435 440 448 453 466 468 475 445 22 7 7 37
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot5 SB16-105_spot5 SB16-105_spot4 SB16-105_spot8 SB16-105_spot8	1356 1359 1357 1358 1358 1357 1359 1356	1550 1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1590 1590 1590 1589	1620 1621 1624 1621 1625 1623 1626 1624	51 53 52 51 53 51 49	70 70 70 70 70 70 70 70	27 31 33 29 35 35 35 34	23 19 16 15 21 19 16 23	115 49 93 95 135 52 87 68	0 0 0 0 0 0	245 89 200 205 265 100 185 135	45 20 23 35 40 20 35 23	8023 3418 7242 7258 8370 3770 6519 4727	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE	558 1101 404 391 558 893 404 596 563 mean: nternal): nternal): (internal)	0.644 0.469 0.551 0.465 0.509 0.520 0.470 0.504 0.511 0.055 0.018 and ext	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010 ternal): n:	15 406 416 435 440 448 453 466 468 475 445 22 7 37 9
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot5 SB16-105_spot5 SB16-105_spot4 SB16-105_spot8 SB16-105_spot8 SB16-97_spot4 SB16-97_spot18	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1588	1620 1621 1624 1625 1623 1626 1624	51 51 52 51 53 51 49 62 46	70 70 70 70 70 70 70 70 70 70	27 31 33 29 35 35 34 18 18	23 19 16 15 21 19 16 23 35 35 18	115 49 93 95 135 52 87 68 50 90		245 89 200 205 265 100 185 135 135	45 20 23 35 40 20 35 23 35 23	8023 3418 7242 7258 8370 3770 6519 4727 4727	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (in 1 SE (in gated 2 SE 42412 19307	558 1101 404 391 558 893 404 596 563 mean: nternal): (internal): (internal):	0.644 0.469 0.551 0.465 0.509 0.520 0.520 0.504 0.504 0.511 0.055 0.018 <b>I and ext</b> 0.167 0.123	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010 ternal): n: 0.280 0.211	15 406 416 435 440 448 453 466 468 475 22 7 37 9 9 490 550
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot8 SB16-97_spot4 SB16-97_spot18 SB16-97_spot13	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1589	1620 1621 1624 1625 1623 1626 1624 1624 1628 1624 1621	51 51 52 51 53 51 49 62 46 42	70 70 70 70 70 70 70 70 70 70 70 70 70	27 31 33 29 35 35 34 18 18 18 17	23 19 16 15 21 19 16 23 35 18 18	115 49 93 95 135 52 87 68 50 90 200		245 89 200 205 265 100 185 135 135	45 20 23 35 40 20 35 23 23 35 95 135	8023 3418 7242 7258 8370 6519 4727 4727 4869 5663 11490	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 1σ (in 1 SE (in gated 2 SE 42412 19307 44962	558 1101 404 391 558 893 404 596 563 mean: tternal): (internal): (internal) 1303 1819 2584	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 I and ext 0.167 0.123 0.111	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.370 0.378 0.407 0.029 0.010 ternal): n: 0.280 0.211 0.280	15 406 416 435 440 448 453 466 468 475 22 7 37 9 9 490 550 564
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot4 SB16-97_spot4 SB16-97_spot18 SB16-97_spot3	1356 1359 1357 1358 1357 1359 1356 1356 1356 1356 1350 1358	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1589 1588 1588 1588 1588 1589	1620 1621 1624 1625 1623 1626 1624 1624 1628 1624 1621 1625	51 53 52 51 53 51 49 62 46 42 75	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 18 17 18	23 19 16 15 21 19 16 23 35 18 18 18 15	115 49 93 95 135 52 87 68 50 90 200 24		245 89 200 205 265 135 135 135 135 1500 730 1800 600	45 20 23 35 40 20 35 23 35 95 135 10	8023 3418 7242 7258 8370 3770 6519 4727 4727 4869 5663 11490 2827	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965	558 1101 404 391 558 893 404 596 563 mean: tternal): tternal): (internal) 1303 1819 2584 160	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 I and ext 0.167 0.123 0.111 0.040	n: 0.473 0.426 0.426 0.402 0.390 0.390 0.377 0.378 0.377 0.378 0.407 0.29 0.010 ternal): n: 0.280 0.211 0.195 0.142	15 406 416 435 440 448 453 466 468 475 445 22 7 7 37 9 9 490 550 564 598
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot8 SB16-97_spot4 SB16-97_spot18 SB16-97_spot13	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1589	1620 1621 1624 1625 1623 1626 1624 1624 1628 1624 1621	51 51 52 51 53 51 49 62 46 42	70 70 70 70 70 70 70 70 70 70 70 70 70	27 31 33 29 35 35 34 18 18 18 17	23 19 16 15 21 19 16 23 35 18 18	115 49 93 95 135 52 87 68 50 90 200		245 89 200 205 265 100 185 135 135	45 20 23 35 40 20 35 23 23 35 95 135	8023 3418 7242 7258 8370 6519 4727 4727 4869 5663 11490	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 1σ (in 1 SE (in gated 2 SE 42412 19307 44962	558 1101 404 391 558 893 404 596 563 mean: tternal): (internal): (internal) 1303 1819 2584	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 I and ext 0.167 0.123 0.111	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.370 0.378 0.407 0.029 0.010 ternal): n: 0.280 0.211 0.280	15 406 416 435 440 448 453 466 468 475 22 7 37 9 9 490 550 564
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot5 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot4 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot17	1356 1359 1357 1358 1357 1359 1356 1356 1356 1356 1350 1358	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1589 1588 1588 1588 1588 1589	1620 1621 1624 1625 1623 1626 1624 1624 1628 1624 1621 1625	51 53 52 51 53 51 49 62 46 42 75	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 18 17 18	23 19 16 15 21 19 16 23 35 18 18 18 15	115 49 93 95 135 52 87 68 50 90 200 24		245 89 200 205 265 135 135 135 135 1500 730 1800 600	45 20 23 35 40 20 35 23 35 95 135 10	8023 3418 7242 7258 8370 3770 6519 4727 4727 4869 5663 11490 2827	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965	558 1101 404 391 558 893 404 596 563 mean: tternal): tternal): (internal) 1303 1819 2584 160	0.644 0.469 0.551 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 <b>I and ext</b> 0.167 0.123 0.111 0.040 0.079	n: 0.473 0.426 0.426 0.402 0.390 0.390 0.377 0.378 0.377 0.378 0.407 0.29 0.010 ternal): n: 0.280 0.211 0.195 0.142	15 406 416 435 440 448 453 466 468 475 445 22 7 7 37 9 9 490 550 564 598
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot3 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot4 SB16-97_spot4 SB16-97_spot3 SB16-97_spot3 SB16-97_spot17 SB16-97_spot11	1356 1359 1357 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1589 1588 1588 1588 1588 1589 1587 1588	1620 1621 1624 1625 1623 1626 1624 1624 1624 1625 1623 1623 1626	51 53 52 51 53 51 49 62 46 42 75 44 40	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 17 18 18 17 18 18 17	23 19 16 15 21 19 16 23 35 18 18 18 15 18 18 18	115 49 93 55 287 68 50 90 200 24 145 150		245 89 200 265 265 100 185 135 135 135 135 135 135 00 730 1800 600 1840 1870	45 20 23 35 40 20 35 23 35 35 135 10 80 35	8023 3418 7242 7258 83700 6519 4727 4727 4727 4869 5663 11490 2827 8403 7903	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 1σ (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965 47824 48323	558 1101 404 391 558 893 404 596 563 mean: nternal): (internal): (internal) 1303 1819 2584 160 1531 670	0.644 0.469 0.551 0.465 0.509 0.520 0.470 0.504 0.511 0.055 0.018 I and ext 0.167 0.123 0.111 0.440 0.079 0.080	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010 ternal): n: 0.280 0.211 0.195 0.142 0.145 0.139	15 406 416 435 440 448 453 466 468 475 22 7 37 9 490 550 564 598 607 614
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot3 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot4 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot17 SB16-97_spot11 SB16-97_spot12	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1624 1628 1628 1624 1625 1623 1626 1625	51 51 52 51 53 51 49 62 46 42 75 44 40 37	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 18 17 18 18 17 18 18 17 16	23 19 16 15 21 19 16 23 35 18 18 18 15 18 18 18 18 19	115 49 93 55 52 87 68 50 90 200 200 24 145 150 70		245 89 200 205 100 185 135 135 1500 730 1800 600 1840 1870 1130	45 20 23 35 40 20 35 23 35 95 135 10 80 35 36	8023 3418 7242 7258 83700 6519 4727 4727 4869 5663 11490 2827 8403 7903 3806	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (in 1 SE (in gated 2 SE 42412 19307 44962 16965 47824 48323 28400	558 1101 404 391 558 893 404 596 563 mean: nternal): (internal): (internal): 1303 1819 2584 160 1531 670 727	0.644 0.469 0.551 0.465 0.509 0.520 0.520 0.504 0.511 0.055 0.018 I and ext 0.167 0.123 0.111 0.040 0.079 0.080 0.062	n: 0.473 0.426 0.426 0.402 0.394 0.400 0.390 0.377 0.378 0.407 0.029 0.010 ternal): n: 0.280 0.211 0.195 0.142 0.139 0.116	15 406 416 435 440 448 453 466 468 475 22 7 7 37 9 9 490 550 554 598 598 607 614 633
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot3 SB16-105_spot4 SB16-105_spot3 SB16-105_spot8 SB16-97_spot4 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot11 SB16-97_spot11 SB16-97_spot12 SB16-97_spot2	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1358 1353 1356 1357 1356	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1589 1589 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1624 1624 1621 1625 1625 1625 1625 1628	51 51 53 52 51 53 51 49 62 46 42 75 44 40 37 62	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 34 18 18 17 18 18 17 18 17 16 18	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 19 35	115 49 93 135 52 87 68 50 90 200 24 145 150 70 50	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	245 89 200 265 100 185 135 135 135 135 1300 730 1800 600 1840 1840 1130	45 20 23 35 40 20 35 23 23 35 95 135 10 80 35 36 35	8023 3418 7242 7258 8370 3770 6519 4727 4727 4869 5663 11490 2827 8403 7903 3806 4869	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 1σ (in 1 SE (in gated 2 SE 42412 19307 42962 16965 47824 48323 28400 42412	558 1101 404 391 558 893 404 596 563 mean: nternal): (internal): (internal): 1303 1819 2584 160 1531 670 727 1303	0.644 0.469 0.551 0.463 0.509 0.520 0.520 0.520 0.501 0.555 0.018 I and ext 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.427           0.394           0.400           0.390           0.374           0.378           0.407           0.407           0.408           0.4010           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.4010           0.4011           0.116           0.1100	15 406 416 435 440 448 453 466 468 475 22 7 37 9 9 445 22 7 37 9 9 400 550 550 550 550 550 607 614 633 641
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SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1588 1590 1590 1590 1590 1589 1589 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1624 1624 1624 1625 1623 1625 1628 1626 1625	51 51 53 52 51 33 51 49 62 46 42 75 44 40 37 62 55 36	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 19 35 15 18	115 49 93 55 87 68 50 90 200 24 145 150 70 50 70 75	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	245 89 200 205 265 100 185 135 135 135 135 135 135 600 1840 1870 1870 1870 1130 2520 980	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80	8023 3418 7242 7258 8370 6519 4727 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919	558 1101 404 391 558 893 404 596 563 mean: tternal): tternal): (internal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1531	0.644 0.469 0.551 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 <b>I and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.280           0.210           0.394           0.195           0.190           0.190           0.191	15 406 416 435 440 448 453 466 448 475 22 7 37 9 9 490 550 554 559 564 559 8 607 614 633 641 643 643
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SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot3 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot4 SB16-97_spot13 SB16-97_spot3 SB16-97_spot13 SB16-97_spot12 SB16-97_spot12 SB16-97_spot12 SB16-97_spot14 SB16-97_spot6 SB16-97_spot5	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1624 1624 1624 1625 1623 1626 1625 1628 1625 1628 1623 1624 1625	51 51 53 52 53 51 49 62 46 42 75 44 40 37 62 55 63 83 838	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 18 17 18 18 17 16 18 14 18 18 17	23 19 16 15 19 19 16 23 35 18 8 18 15 18 18 18 19 35 5 18 18 14 16	115 49 93 95 52 87 68 50 90 200 24 145 150 70 50 70 70 50 31 35		245 89 200 205 100 185 135 135 135 135 135 135 135 600 1840 1870 1130 1500 2520 980 395 630	45 20 23 35 40 20 35 23 35 135 135 10 80 35 36 35 55 80 28 32	8023 3418 7242 7258 8370 6519 4727 4727 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919	558 1101 404 391 558 893 404 596 563 mean: nternal): (internal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1303 877 1531 417 544	0.644 0.469 0.551 0.465 0.509 0.520 0.504 0.504 0.511 0.055 0.018 <b>and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.056	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.420           0.394           0.400           0.374           0.375           0.376           0.377           0.377           0.378           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.140           0.141           0.141           0.140           0.140	15           406           416           435           440           433           466           448           453           446           453           466           475           445           22           7           37           9           490           550           556           558           607           614           633           641           643           644           651
SB16-105_spot9 SB16-105_spot7 SB16-105_spot2 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot11 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot6	1356 1359 1357 1358 1358 1358 1357 1359 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1357 1358	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1624 1624 1625 1623 1625 1623 1625 1623 1625 1623 1624	51 51 52 53 53 51 49 62 46 42 75 44 40 37 62 55 36 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 17 18 18 17 16 18 14 18 18	23 19 16 21 19 16 23 35 18 18 18 15 18 18 19 35 515 18 14	115 49 93 95 52 87 68 50 90 200 24 145 150 70 50 70 70 75 31		245 89 200 265 265 100 185 135 135 135 135 135 1300 1800 1840 1870 1130 1500 2520 980 395	45 20 23 35 40 20 35 23 35 135 10 80 35 36 35 55 80 28	8023 3418 7242 7258 83700 6519 4727 4727 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 1σ (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 28400 42412 51838 28400	558 1101 404 391 558 893 404 596 563 mean: nternal): (internal): (internal) 1303 1819 2584 160 1531 670 727 1303 877 1531 417	0.644 0.469 0.551 0.463 0.509 0.520 0.504 0.511 0.055 0.118 0.167 0.123 0.111 0.040 0.079 0.080 0.079 0.080 0.062 0.033 0.028 0.077 0.078	n: 0.473 0.426 0.422 0.394 0.400 0.394 0.394 0.394 0.377 0.377 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.377 0.378 0.370 0.370 0.370 0.370 0.370 0.370 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.371 0.378 0.378 0.379 0.378 0.378 0.379 0.370 0.379 0.311 0.311 0.3111 0.3111 0.3111	15 406 416 435 440 448 453 446 468 448 45 22 7 7 37 9 9 490 550 564 598 607 614 633 641 643 643 643
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot3 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot11 SB16-97_spot11 SB16-97_spot12 SB16-97_spot12 SB16-97_spot14 SB16-97_spot5 SB16-97_spot5 SB16-97_spot5	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1356 1357 1356 1357 1356 1357 1356 1357 1356 1352 1358	1550 1550 1550 1550 1550 1550 1550 1550	1589 1589 1588 1580 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1623 1626 1624 1624 1625 1623 1625 1625 1628 1625 1628 1626 1625 1628 1625 1628 1625 1628 1625 1655	51 51 53 52 51 53 51 49 62 46 42 75 44 40 37 62 55 36 83 83 83 83 83 6	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 18 17 18 18 17 16 18 14 18 14 18 17 7 17	23 19 16 15 21 19 16 23 35 18 18 18 18 15 18 18 19 35 15 18 14 16 15	115 49 93 135 52 87 68 50 90 200 24 145 150 70 70 50 70 75 31 35 45	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	245 89 200 265 100 185 135 135 130 1800 600 1840 1840 1840 1840 1840 1130 1500 2520 980 395 630 880	45 20 23 40 20 35 23 35 95 135 10 80 35 36 35 55 80 28 32 18	8023 3418 7242 7258 8370 3770 6519 4727 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (in 1 SE (in gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 28400 42412 51838 25919 11168 16280 22740	558 1101 404 391 558 893 404 596 <b>mean:</b> tternal): (internal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1531 417 544 287	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 I and ext 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.055	n:           0.473           0.426           0.426           0.426           0.426           0.427           0.428           0.400           0.394           0.400           0.394           0.400           0.394           0.400           0.397           0.378           0.378           0.370           0.378           0.407           0.402           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.407           0.408           0.098           0.094	15 406 416 435 440 448 453 466 448 475 22 7 37 37 9 9 9 9 9 9 9 9 9 9 9 9 9 550 550 550 5
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SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot16	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621	51 51 53 52 53 51 49 62 46 42 75 44 40 37 55 36 38 38 38 50 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (in 1 SE (in gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919 11168 16280 22740 18654 46514	558 1101 404 391 558 893 404 596 563 (internal): (internal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1531 417 544 287 335 510	0.644 0.469 0.551 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 <b>I and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.056 0.051	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.437           0.394           0.390           0.394           0.390           0.377           0.378           0.407           0.209           0.010           0.201           0.211           0.125           0.142           0.135           0.142           0.135           0.142           0.130           0.142           0.135           0.142           0.130           0.141           0.100           0.997           0.111           0.138           0.094           0.085           0.084	15 406 416 435 440 448 453 466 448 475 22 7 37 9 490 550 550 550 550 550 550 550 550 550 5
SB16-105_spot9 SB16-105_spot7 SB16-105_spot7 SB16-105_spot1 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot12 SB16-97_spot12 SB16-97_spot14 SB16-97_spot5 SB16-97_spot5 SB16-97_spot15 SB16-97_spot10	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621 1625	51 51 52 51 53 51 49 62 46 42 75 44 40 75 55 36 38 38 38 50	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 17 18 18 17 18 18 17 16 18 14 18 17 17 16	23 19 16 15 21 19 16 23 35 18 18 18 18 18 18 18 18 19 35 15 18 14 16 15 15	115 49 93 135 52 87 68 50 90 200 24 145 150 70 70 75 31 35 45 25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	245 89 200 265 100 185 135 135 135 130 1800 600 1840 1870 1870 1870 1500 2520 980 395 630 880 780	45 20 23 40 20 35 23 35 95 135 10 80 35 36 35 55 80 28 32 18 21	8023 3418 7242 7258 8370 6519 4727 4809 5663 11490 2827 8403 7903 3806 84869 5657 3419 1432 1819 2380 1773	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 13 E (in 5498 10171 7210 14 52 14 54 14 54 14 54 16965 47824 48323 28400 42412 51838 25919 11168 16280 22740 18654	558 1101 404 391 558 893 404 596 565 mean: nternal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 1531 670 727 1303 877 1531 417 544 287 335	0.644 0.469 0.551 0.463 0.509 0.520 0.520 0.520 0.520 0.520 0.501 0.555 0.018 I and ext 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.051 0.051 0.051 0.051	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.394           0.390           0.394           0.390           0.377           0.390           0.407           0.402           0.400           0.407           0.211           0.142           0.142           0.142           0.142           0.142           0.142           0.142           0.142           0.142           0.142           0.141           0.142           0.141           0.142           0.407           0.141           0.408           0.094	15 406 416 435 440 448 453 466 448 475 22 7 37 9 445 22 7 37 9 400 550 550 550 550 550 550 550 550 607 614 633 641 643 643 644 654 654 654 654
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot16	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621 1625	51 51 53 52 53 51 49 62 46 42 75 44 40 37 55 36 38 38 38 50 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 14 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (in 1 SE (in gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919 11168 16280 22740 18654 46514	558 1101 404 391 558 893 404 596 563 (internal): (internal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1531 417 544 287 335 510	0.644 0.469 0.551 0.465 0.509 0.520 0.504 0.511 0.055 0.018 <b>and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.079 0.080 0.079 0.080 0.079 0.080 0.077 0.078 0.078 0.051 0.078 0.051 0.032 0.051 0.032 0.021	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.437           0.394           0.390           0.394           0.390           0.377           0.378           0.407           0.209           0.010           0.201           0.211           0.125           0.142           0.135           0.142           0.135           0.142           0.130           0.142           0.135           0.142           0.130           0.141           0.100           0.997           0.111           0.138           0.094           0.085           0.084	15 406 416 435 440 448 453 466 448 475 22 7 37 9 490 550 550 550 550 550 550 550 550 550 5
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-105_spot8 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot16	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621 1625	51 51 53 52 53 51 49 62 46 42 75 44 40 37 55 36 38 38 38 50 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 14 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (in 1 SE (in gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919 11168 16280 22740 18654 46514 14106	558 1101 404 391 558 893 404 596 563 mean: tternal): tternal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1531 670 727 1303 877 1531 417 544 287 335 510 399 mean:	0.644 0.469 0.551 0.465 0.509 0.520 0.504 0.504 0.511 0.055 0.018 and ext 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.056 0.051 0.056 0.051 0.052 0.051 0.068	n:           0.473           0.426           0.426           0.426           0.426           0.394           0.400           0.394           0.400           0.394           0.400           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.394           0.400           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.101           0.032           0.0404           0.0404           0.0428	15 406 416 435 440 448 453 466 448 475 22 7 7 37 9 9 490 550 550 550 550 550 550 550 550 550 5
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621 1625	51 51 53 52 53 51 49 62 46 42 75 44 40 37 55 36 38 38 38 50 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 14 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919 11168 16280 22740 18654 46514 14106	558 1101 404 391 558 893 404 596 563 mean: nternal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1531 670 727 1303 877 1531 417 544 287 335 510 399 mean: nternal):	0.644 0.469 0.551 0.465 0.463 0.509 0.520 0.470 0.504 0.511 0.055 0.018 I and ext 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.056 0.051 0.032 0.052 0.052 0.021 0.068 0.038	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.420           0.394           0.400           0.378           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.400           0.110           0.110           0.098           0.0404           0.0405           0.0404           0.0405	15 406 416 435 440 448 453 466 468 77 7 7 7 7 7 7 7 9 9 400 550 550 550 550 550 550 550 550 550
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621 1625	51 51 53 52 53 51 49 62 46 42 75 44 40 37 55 36 38 38 38 50 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 14 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 15 (in 1 SE (in 328400 42412 19307 44962 16965 47824 48323 28400 42412 51838 51655 51755 516555 516555 516555 5165555 51655555555	558 1101 404 391 558 893 404 596 563 mean: tternal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 1531 670 727 1303 877 1531 417 544 287 335 510 335 510 335 510 335	0.644 0.469 0.551 0.463 0.509 0.520 0.520 0.520 0.511 0.055 0.018 <b>and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.051 0.062 0.051 0.052 0.051 0.052 0.051	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.427           0.394           0.400           0.390           0.378           0.378           0.407           0.402           0.401           0.402           0.401           0.402           0.402           0.401           0.402           0.402           0.401           0.402           0.401           0.402           0.403           0.116           0.116           0.116           0.116           0.098           0.094           0.040           0.128           0.057           0.014	15           406           416           435           440           453           466           475           22           7           37           9           490           550           550           564           558           607           614           633           644           633           644           651           654           654           655           6664           701           622           50           50           612           633           644           651           654           655           6664           701           622           50           50           612
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621	51 51 53 52 53 51 49 62 46 42 75 44 40 37 55 36 38 38 38 50 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 14 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919 11168 16280 22740 18654 46514 14106	558 1101 404 391 558 893 404 596 563 mean: tternal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 1531 670 727 1303 877 1531 417 544 287 335 510 335 510 335 510 335	0.644 0.469 0.551 0.463 0.509 0.520 0.520 0.520 0.511 0.055 0.018 <b>and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.051 0.062 0.051 0.052 0.051 0.052 0.051	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.427           0.394           0.400           0.390           0.378           0.378           0.407           0.402           0.401           0.402           0.401           0.402           0.402           0.401           0.402           0.402           0.401           0.402           0.401           0.402           0.403           0.116           0.116           0.116           0.116           0.098           0.094           0.040           0.128           0.057           0.014	15 406 416 435 440 448 453 466 468 77 7 7 7 7 7 7 7 9 9 400 550 550 550 550 550 550 550 550 550
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621	51 51 53 52 53 51 49 62 46 42 75 44 40 37 55 36 38 38 38 50 38	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 14 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 15 (in 1 SE (in 328400 42412 19307 44962 16965 47824 48323 28400 42412 51838 51655 51755 516555 516555 516555 5165555 51655555555	558 1101 404 391 558 893 404 596 563 mean: tternal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 1531 670 727 1303 877 1531 417 544 287 335 510 335 510 335 510 335	0.644 0.469 0.551 0.463 0.509 0.520 0.520 0.520 0.511 0.055 0.018 <b>and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.051 0.062 0.051 0.052 0.051 0.052 0.051	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.427           0.394           0.400           0.390           0.378           0.378           0.407           0.402           0.401           0.402           0.401           0.402           0.402           0.401           0.402           0.402           0.401           0.402           0.401           0.402           0.403           0.116           0.116           0.116           0.116           0.098           0.094           0.040           0.128           0.057           0.014	15           406           416           435           440           453           466           475           22           7           37           9           490           550           550           564           558           607           614           633           644           633           644           651           654           654           655           6664           701           622           50           50           612           633           644           651           654           655           6664           701           622           50           50           612
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot16 SB16-97_spot16 SB16-97_spot7	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1628 1624 1625 1625 1625 1626 1625 1626 1625 1626 1625 1626 1627 1628 1629	51 51 53 52 53 51 49 62 46 42 49 40 37 55 36 38 38 38 36 50 38 45	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 18 18 17 16 18 14 18 14 18 14 18 17 16 17 16 17 16	23 19 16 21 19 16 23 35 18 18 18 15 15 18 18 19 35 15 18 14 16 15 15 16 16 15	115 49 93 95 135 52 87 68 50 90 200 24 145 150 70 70 75 31 35 45 25 93 12		245 89 200 205 265 100 185 135 135 135 130 1800 600 1840 1870 1800 1840 1870 1800 2520 980 395 630 880 780 1800 580	45 20 23 35 40 20 35 23 35 135 10 80 35 36 35 55 80 28 32 18 21 30 25	8023 3418 7242 7258 83700 6519 4727 4727 4727 8403 7903 3806 4869 5657 3419 1432 1819 2380 1432 1819 2380 1773 4296 602	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 10 (ii 1 SE (ii gated 2 SE 42412 19307 44962 16965 47824 48323 28400 42412 51838 25919 11168 16280 22740 18654 46514 14106	558 1101 404 391 558 893 404 596 563 mean: tternal): (internal): 1303 1819 2584 160 1531 670 727 1303 877 1531 417 544 287 335 510 399 mean: tternal): tternal): tternal): (internal):	0.644 0.469 0.551 0.463 0.509 0.520 0.504 0.511 0.055 0.018 <b>and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.051 0.028 0.077 0.078 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.055 0.003 0.055 0.003 0.005 0.018 0.005 0.018 0.005 0.018 0.005 0.018 0.005 0.005 0.018 0.005 0.	n:           0.4733           0.426           0.426           0.426           0.394           0.402           0.394           0.400           0.394           0.400           0.394           0.400           0.394           0.400           0.394           0.407           0.370           0.370           0.370           0.370           0.370           0.370           0.370           0.140           0.141           0.141           0.141           0.097           0.141           0.098           0.094           0.084           0.040           0.128           0.304           ternal):           n:	15           406           416           435           440           433           466           475           445           22           7           9           490           550           564           598           641           643           643           643           643           643           644           651           654           701           622           50           12           35           16
SB16-105_spot9 SB16-105_spot7 SB16-105_spot1 SB16-105_spot1 SB16-105_spot4 SB16-105_spot3 SB16-105_spot3 SB16-105_spot3 SB16-97_spot18 SB16-97_spot13 SB16-97_spot13 SB16-97_spot13 SB16-97_spot12 SB16-97_spot14 SB16-97_spot14 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15 SB16-97_spot15	1356 1359 1357 1358 1358 1357 1359 1356 1356 1356 1356 1350 1358 1353 1356 1357 1356 1357 1356 1352 1358 1364 1361 1360 1359 1357	1550 1550 1550 1550 1550 1550 1550 1550	1589 1588 1588 1590 1590 1590 1590 1589 1588 1588 1588 1588 1588 1588 1588	1620 1621 1624 1625 1623 1626 1624 1628 1624 1621 1625 1628 1626 1625 1628 1626 1628 1624 1626 1621 1625	51 51 53 52 53 51 49 62 46 42 49 40 37 55 36 38 38 38 36 50 38 45	70 70 70 70 70 70 70 70 70 70 70 70 70 7	27 31 33 29 35 35 34 8 18 17 18 18 17 18 18 17 16 18 14 18 14 17 7 16 17	23 19 16 21 19 16 23 35 18 18 18 18 18 18 18 18 18 15 15 18 14 16 55 15	115 49 93 55 135 52 87 68 50 90 200 24 145 150 70 50 70 75 31 35 45 25 93		245 89 200 265 100 185 135 135 135 135 135 135 135 135 135 13	45 20 23 40 20 35 23 23 35 135 10 80 35 36 35 55 80 28 32 80 28 32 18 21 30	8023 3418 7242 7258 3770 6519 4727 4869 5663 11490 2827 8403 7903 3806 4869 5657 3419 1432 1819 2380 1773 4296	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6998 9720 4194 10367 10626 11682 5498 10171 7210 15 (in 1 SE (in 328400 42412 19307 44962 16965 47824 48323 28400 42412 51838 51655 51755 516555 516555 516555 5165555 51655555555	558 1101 404 391 558 893 404 596 563 mean: tternal): (internal): (internal): (internal): 1303 1819 2584 160 1531 670 1531 670 727 1303 877 1531 417 544 287 335 510 335 510 335 510 335	0.644 0.469 0.551 0.463 0.509 0.520 0.504 0.511 0.055 0.018 <b>and ext</b> 0.167 0.123 0.111 0.040 0.079 0.080 0.062 0.033 0.028 0.077 0.078 0.051 0.028 0.077 0.078 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.055 0.003 0.055 0.003 0.005 0.018 0.005 0.018 0.005 0.018 0.005 0.018 0.005 0.005 0.018 0.005 0.	n:           0.473           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.426           0.437           0.394           0.390           0.377           0.390           0.377           0.390           0.407           0.290           0.401           0.402           0.407           0.211           0.142           0.142           0.142           0.142           0.141           0.116           0.108           0.094           0.084           0.047           0.128           0.057           0.014	15           406           416           435           448           453           466           488           475           445           22           7           37           9           490           550           564           558           607           614           633           643           643           644           651           654           654           653           641           653           642           653           644           655           654           654           654           654           654           654           654           654           654           654           654           654           654           654           654           654           655

SB16-99 spot4	1346	1550	1585	1620	48	70	20	20	45	0	250	15	3393	0	7600	319	0.180	0.300	472
SB16-99_spot5	1348	1550	1585	1624	65	70	19	19	35	0	350	10	3574	0	9771	202	0.100	0.264	487
SB16-99_spot9	1356	1550	1585	1619	48	70	20	18	75	0	700	35	5472	0	20571	670	0.107	0.205	552
SB16-99 spot17		1550	1585	1620	45	70	19	10	80	0	810	15	4924	0	23394	160	0.099	0.173	584
	1355															200200			
SB16-99_spot15	1353	1550	1584	1622	41	70	19	18	170	0	1600	50	9888	0	46210	957	0.106	0.173	586
SB16-99 spot7	1356	1550	1585	1621	43	70	19	15	95	0	1170	25	5795	0	32663	399	0.081	0.149	604
SB16-99 spot18	1354	1550	1585	1620	43	70	20	19	100	0	1340	35	6100	0	38394	707	0.075	0.135	617
SB16-99_spot13	1357	1550	1586	1618	52	70	20	20	30	0	570	40	2371	0	16172	851	0.053	0.122	624
SB16-99_spot8	1356	1550	1585	1620	48	70	20	17	65	0	1200	35	4584	0	35264	633	0.054	0.113	634
SB16-99_spot1	1335	1550	1585	1621	110	70	16	14	30	0	1790	20	4514	0	42082	298	0.017	0.096	640
SB16-99_spot6	1359	1550	1585	1624	40	70	19	19	50	0	1170	0	3142	0	32663	0	0.043	0.088	657
SB16-99_spot2	1362	1550	1585	1616	41	70	17	22	32	0	860	62	1795	0	21852	1451	0.037	0.072	673
																mean:	0.085	0.175	577
	1																		
																ternal):	0.045	0.089	83
															1 SE (ir	ternal):	0.013	0.025	23
														propa	gated 2 SE	(internal	and ext	ternal):	54
														h h - d				n:	13
	1									-				-					
SB16-101_spot3	1348	1550	1588	1621	43	70	28	18	175	0	340	55	11820	0	13505	1053	0.515	0.448	403
SB16-101_spot9	1353	1550	1587	1627	44	70	26	15	235	0	480	48	14144	0	18337	766	0.490	0.425	422
SB16-101_spot12	1354	1550	1588	1626	43	70	25	20	360	0	990	65	23531	0	35110	1383	0.364	0.392	425
— ·					52.533				680							2340			
SB16-101_spot10	1355	1550	1589	1628	41	70	25	20		0	1350	110	35307	0	47878		0.504	0.413	438
SB16-101_spot13	1356	1550	1589	1625	44	70	24	21	430	0	1300	80	27800	0	45843	1787	0.331	0.369	441
SB16-101_spot8	1356	1550	1589	1629	42	70	28	16	255	0	530	37	14650	0	22558	630	0.481	0.387	460
SB16-101_spot2	1358	1550	1589	1628	40	70	26	16	330	0	845	65	18726	0	32281	1106	0.391	0.359	467
SB16-101_spot7	1357	1550	1588	1626	39	70	25	16	320	0	890	60	16438	0	31564	1021	0.360	0.335	485
SB16-101_spot4	1355	1550	1588	1629	44	70	26	18	165	0	630	25	10667	0	23237	479	0.262	0.310	485
SB16-101 spot14	1355	1550	1589	1624	48	70	24	19	150	0	760	100	11310	0	25875	2021	0.197	0.288	490
SB16-101_spot6	1357	1550	1588	1626	42	70	22	18	145	0	680	25	8639	0	21482	479	0.213	0.282	501
SB16-101_spot11	1356	1550	1589	1627	46	70	30	15	267	0	940	70	16800	0	40004	1117	0.284	0.290	513
SB16-101_spot1	1357	1550	1588	1628	39	70	26	14	450	0	1710	80	24896	0	65326	1191	0.263	0.272	526
SB16-101_spot16	1358	1550	1588	1627	41	70	21	21	290	0	1500	80	16264	0	46284	1787	0.193	0.253	526
SB16-101_spot18	1358	1550	1587	1627	38	70	20	20	280	0	1710	55	15634	0	51986	1170	0.164	0.227	546
SB16-101_spot17	1358	1550	1588	1628	40	70	18	23	180	0	1950	50	10214	0	53354	1223	0.092	0.158	598
																mean:	0.319	0.326	483
															1σ (ir	ternal):	0.128	0.077	50
																		0.019	13
																ternal):			
														propa	gated 2 SE				35
														propa					
SB16-103 spot11	1352	1550	1589	1622	50	70	29	19	270	0	430	120	21206		gated 2 SE	(internal	and ext	ternal): n:	35 16
SB16-103_spot11 SB16-103_spot13	1352	1550	1589	1622	50	70	29	19	270	0	430	120	21206	0	19588	(internal	0.628	ternal): n: 0.491	35 16 383
SB16-103_spot13	1354	1550	1590	1625	52	70	31	24	550	0	710	205	36219	0	19588 34573	(internal 2425 5232	0.628 0.775	ternal): n: 0.491 0.476	35 16 383 430
SB16-103_spot13 SB16-103_spot12		1550 1550	1590 1589	1625 1624	52 51	70 70	31 31		550 450	0 0	710 750	205 170		0 0 0	19588 34573 35341	(internal 2425 5232 4339	0.628 0.775 0.600	ternal): n: 0.491 0.476 0.432	35 16 383 430 440
SB16-103_spot13	1354	1550	1590	1625	52	70	31	24	550	0	710	205	36219	0	19588 34573	(internal 2425 5232	0.628 0.775	ternal): n: 0.491 0.476	35 16 383 430
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10	1354 1353 1356	1550 1550 1550	1590 1589 1589	1625 1624 1624	52 51 48	70 70 70	31 31 28	24 24 20	550 450 550	0 0 0	710 750 1170	205 170 120	36219 30228 36112	0 0 0 0	19588 34573 35341 51459	(internal 2425 5232 4339 2552	0.628 0.775 0.600 0.470	ternal): n: 0.491 0.476 0.432 0.401	35 16 383 430 440 442
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2	1354 1353 1356 1357	1550 1550 1550 1550	1590 1589 1589 1589	1625 1624 1624 1625	52 51 48 44	70 70 70 70	31 31 28 17	24 24 20 20	550 450 550 150	0 0 0	710 750 1170 850	205 170 120 45	36219 30228 36112 10032	0 0 0 0 0	19588 34573 35341 51459 21965	(interna 2425 5232 4339 2552 957	0.628 0.775 0.600 0.470 0.176	ternal): n: 0.491 0.476 0.432 0.401 0.304	35 16 383 430 440 442 467
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot15	1354 1353 1356 1357 1360	1550 1550 1550 1550 1550	1590 1589 1589 1589 1588	1625 1624 1624 1625 1622	52 51 48 44 48	70 70 70 70 70	31 31 28 17 22	24 24 20 20 14	550 450 550 150 60	0 0 0 0	710 750 1170 850 340	205 170 120 45 10	36219 30228 36112 10032 3501	0 0 0 0 0 0	19588 34573 35341 51459 21965 11370	(internal 2425 5232 4339 2552 957 149	0.628 0.775 0.600 0.470 0.176 0.176	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233	35 16 383 430 440 442 467 543
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2	1354 1353 1356 1357	1550 1550 1550 1550	1590 1589 1589 1589	1625 1624 1624 1625	52 51 48 44	70 70 70 70	31 31 28 17	24 24 20 20	550 450 550 150	0 0 0	710 750 1170 850	205 170 120 45	36219 30228 36112 10032	0 0 0 0 0	19588 34573 35341 51459 21965	(interna 2425 5232 4339 2552 957	0.628 0.775 0.600 0.470 0.176	ternal): n: 0.491 0.476 0.432 0.401 0.304	35 16 383 430 440 442 467
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot15	1354 1353 1356 1357 1360	1550 1550 1550 1550 1550	1590 1589 1589 1589 1588	1625 1624 1624 1625 1622	52 51 48 44 48	70 70 70 70 70	31 31 28 17 22	24 24 20 20 14	550 450 550 150 60	0 0 0 0	710 750 1170 850 340	205 170 120 45 10	36219 30228 36112 10032 3501	0 0 0 0 0 0	19588 34573 35341 51459 21965 11370	(internal 2425 5232 4339 2552 957 149	0.628 0.775 0.600 0.470 0.176 0.176	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233	35 16 383 430 440 442 467 543
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot15 SB16-103_spot16 SB16-103_spot7	1354 1353 1356 1357 1360 1357 1356	1550 1550 1550 1550 1550 1550	1590 1589 1589 1589 1588 1587 1588	1625 1624 1624 1625 1622 1624 1625	52 51 48 44 48 40 46	70 70 70 70 70 70 70	31 31 28 17 22 25 24	24 24 20 20 14 16 15	550 450 550 150 60 44 95	0 0 0 0 0 0	710 750 1170 850 340 230 800	205 170 120 45 10 10 38	36219 30228 36112 10032 3501 2407 6864	0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237	(internal 2425 5232 4339 2552 957 149 170 606	0.628 0.775 0.600 0.470 0.176 0.176 0.191 0.119	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198	35 16 383 430 440 442 467 543 552 563
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot15 SB16-103_spot16 SB16-103_spot7 SB16-103_spot8	1354 1353 1356 1357 1360 1357 1356 1353	1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1589 1588 1587 1588 1588	1625 1624 1624 1625 1622 1624 1625 1620	52 51 48 44 48 40 46 46	70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24	24 24 20 20 14 16 15 22	550 450 550 150 60 44 95 75	0 0 0 0 0 0	710 750 1170 850 340 230 800 670	205 170 120 45 10 10 38 60	36219 30228 36112 10032 3501 2407 6864 5069	0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811	(internal 2425 5232 4339 2552 957 149 170 606 1404	0.628 0.775 0.600 0.470 0.176 0.176 0.191 0.119 0.112	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173	35 16 383 430 440 442 467 543 552 563 588
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot7 SB16-103_spot7 SB16-103_spot1	1354 1353 1356 1357 1360 1357 1356 1353 1355	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1588 1587 1588 1589 1588	1625 1624 1625 1622 1624 1625 1620 1626	52 51 48 44 48 40 46 46 46	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 24 19	24 24 20 20 14 16 15 22 18	550 450 550 150 60 44 95 75 75	0 0 0 0 0 0 0	710 750 1170 850 340 230 800 670 1300	205 170 120 45 10 10 38 60 15	36219 30228 36112 10032 3501 2407 6864 5069 5419	0 0 0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811 37546	(internal 2425 5232 4339 2552 957 149 170 606 1404 287	0.628 0.775 0.600 0.470 0.176 0.176 0.191 0.119 0.112 0.058	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125	35 16 383 430 440 442 467 543 552 563 588 622
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot15 SB16-103_spot16 SB16-103_spot7 SB16-103_spot8	1354 1353 1356 1357 1360 1357 1356 1353	1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1589 1588 1587 1588 1588	1625 1624 1624 1625 1622 1624 1625 1620	52 51 48 44 48 40 46 46	70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24	24 24 20 20 14 16 15 22	550 450 550 150 60 44 95 75	0 0 0 0 0 0	710 750 1170 850 340 230 800 670	205 170 120 45 10 10 38 60	36219 30228 36112 10032 3501 2407 6864 5069	0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811	(internal 2425 5232 4339 2552 957 149 170 606 1404	0.628 0.775 0.600 0.470 0.176 0.176 0.191 0.119 0.112	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123	35 16 383 430 440 442 467 543 552 563 588 622 623
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot7 SB16-103_spot7 SB16-103_spot1	1354 1353 1356 1357 1360 1357 1356 1353 1355	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1588 1587 1588 1589 1588	1625 1624 1625 1622 1624 1625 1620 1626	52 51 48 44 48 40 46 46 46	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 24 19	24 24 20 20 14 16 15 22 18	550 450 550 150 60 44 95 75 75	0 0 0 0 0 0 0	710 750 1170 850 340 230 800 670 1300	205 170 120 45 10 10 38 60 15	36219 30228 36112 10032 3501 2407 6864 5069 5419	0 0 0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811 37546	(internal 2425 5232 4339 2552 957 149 170 606 1404 287	0.628 0.775 0.600 0.470 0.176 0.176 0.191 0.119 0.112 0.058	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125	35 16 383 430 440 442 467 543 552 563 588 622
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot7 SB16-103_spot7 SB16-103_spot1	1354 1353 1356 1357 1360 1357 1356 1353 1355	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1588 1587 1588 1589 1588	1625 1624 1625 1622 1624 1625 1620 1626	52 51 48 44 48 40 46 46 46	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 24 19	24 24 20 20 14 16 15 22 18	550 450 550 150 60 44 95 75 75	0 0 0 0 0 0 0	710 750 1170 850 340 230 800 670 1300	205 170 120 45 10 10 38 60 15	36219 30228 36112 10032 3501 2407 6864 5069 5419	0 0 0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean:	0.628 0.775 0.600 0.470 0.176 0.176 0.191 0.119 0.112 0.058 0.055	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123	35 16 383 430 440 442 467 543 552 563 588 622 623
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot7 SB16-103_spot7 SB16-103_spot1	1354 1353 1356 1357 1360 1357 1356 1353 1355	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1588 1587 1588 1589 1588	1625 1624 1625 1622 1624 1625 1620 1626	52 51 48 44 48 40 46 46 46	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 24 19	24 24 20 20 14 16 15 22 18	550 450 550 150 60 44 95 75 75	0 0 0 0 0 0 0	710 750 1170 850 340 230 800 670 1300	205 170 120 45 10 10 38 60 15	36219 30228 36112 10032 3501 2407 6864 5069 5419	0 0 0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 <b>10 (ir</b>	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: tternal):	and ext           0.628           0.775           0.600           0.470           0.176           0.176           0.176           0.176           0.176           0.176           0.176           0.176           0.176           0.176           0.176           0.176           0.112           0.058           0.305           0.249	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123 0.289 0.132	35 16 383 430 440 442 467 543 552 563 588 622 623 514 80
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot7 SB16-103_spot7 SB16-103_spot1	1354 1353 1356 1357 1360 1357 1356 1353 1355	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1588 1587 1588 1589 1588	1625 1624 1625 1622 1624 1625 1620 1626	52 51 48 44 48 40 46 46 46	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 24 19	24 24 20 20 14 16 15 22 18	550 450 550 150 60 44 95 75 75	0 0 0 0 0 0 0	710 750 1170 850 340 230 800 670 1300	205 170 120 45 10 10 38 60 15	36219 30228 36112 10032 3501 2407 6864 5069 5419	0 0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 10 (ir 1 SE (ir	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: tternal): tternal):	and ext           0.628           0.775           0.600           0.470           0.176           0.176           0.191           0.112           0.055           0.305           0.249           0.075	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123 0.289 0.132 0.040	35 16 383 430 440 442 467 543 552 563 588 622 623 514 80 24
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot7 SB16-103_spot7 SB16-103_spot1	1354 1353 1356 1357 1360 1357 1356 1353 1355	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1588 1587 1588 1589 1588	1625 1624 1625 1622 1624 1625 1620 1626	52 51 48 44 48 40 46 46 46	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 24 19	24 24 20 20 14 16 15 22 18	550 450 550 150 60 44 95 75 75	0 0 0 0 0 0 0	710 750 1170 850 340 230 800 670 1300	205 170 120 45 10 10 38 60 15	36219 30228 36112 10032 3501 2407 6864 5069 5419	0 0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 <b>10 (ir</b>	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: tternal): tternal):	and ext           0.628           0.775           0.600           0.470           0.176           0.176           0.191           0.112           0.055           0.305           0.249           0.075	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123 0.289 0.132 0.040	35 16 383 430 440 442 467 543 552 563 588 622 623 514 80
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot7 SB16-103_spot7 SB16-103_spot1	1354 1353 1356 1357 1360 1357 1356 1353 1355	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1588 1587 1588 1589 1588	1625 1624 1625 1622 1624 1625 1620 1626	52 51 48 44 48 40 46 46 46	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 24 19	24 24 20 20 14 16 15 22 18	550 450 550 150 60 44 95 75 75	0 0 0 0 0 0 0	710 750 1170 850 340 230 800 670 1300	205 170 120 45 10 10 38 60 15	36219 30228 36112 10032 3501 2407 6864 5069 5419	0 0 0 0 0 0 0 0 0 0 0	19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 10 (ir 1 SE (ir	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: tternal): tternal):	and ext           0.628           0.775           0.600           0.470           0.176           0.176           0.191           0.112           0.055           0.305           0.249           0.075	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123 0.289 0.132 0.040	35 16 383 430 440 442 467 543 552 563 588 622 623 514 80 24
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot16 SB16-103_spot16 SB16-103_spot7 SB16-103_spot3 SB16-103_spot1 SB16-103_spot3	1354 1353 1356 1357 1360 1357 1356 1353 1355 1358	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1587 1588 1588 1588 1588 1588	1625 1624 1624 1625 1622 1624 1625 1620 1626 1627	52 51 48 44 48 40 46 46 46 46 44	70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 19 18	24 24 20 20 14 16 15 22 18 15	550 450 550 150 60 44 95 75 75 65		710 750 1170 850 340 230 800 670 1300 1180	205 170 120 45 10 10 38 60 15 20	36219 30228 36112 10032 3501 2407 6864 5069 5419 4492	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 SE 19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 1σ (ir 1 SE (ir sate C SE	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: iternal): (internal	and ext 0.628 0.775 0.600 0.470 0.176 0.176 0.191 0.119 0.112 0.058 0.055 0.305 0.305 0.249 0.075 and ext	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.125 0.123 0.289 0.132 0.289 0.132 0.400 ternal): n:	35 16 383 430 440 442 467 543 552 563 588 622 623 514 80 24 57 11
SB16-103_spot13 SB16-103_spot12 SB16-103_spot12 SB16-103_spot2 SB16-103_spot15 SB16-103_spot16 SB16-103_spot7 SB16-103_spot8 SB16-103_spot1 SB16-103_spot3	1354 1353 1356 1357 1360 1357 1356 1353 1355 1358	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1587 1588 1588 1588 1588	1625 1624 1624 1625 1622 1624 1625 1620 1626 1627	52 51 48 44 48 40 46 46 46 46 44 85	70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 19 18 30	24 24 20 20 14 16 15 22 18 15	550 450 550 150 60 44 95 75 65 65		710 750 1170 850 340 230 670 1300 1180 380	205 170 120 45 10 10 38 60 15 20	36219 30228 36112 10032 3501 2407 6864 5069 5419 4492 4492	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	atted 2 SE 19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 <b>10</b> (irr <b>1 SE</b> (irr <b>3 SE</b> (irr) (irr)) <b>3 SE</b> (irr)	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: iternal): iternal): (internal	and ext           0.628           0.775           0.600           0.470           0.176           0.191           0.112           0.055           0.305           0.249           0.075           and ext           1.211	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123 0.289 0.122 0.304 ternal): n: 0.735	35 16 383 430 440 442 543 552 563 588 622 623 514 80 24 57 11 223
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot15 SB16-103_spot16 SB16-103_spot16 SB16-103_spot1 SB16-103_spot1 SB16-103_spot3	1354 1353 1356 1357 1360 1357 1356 1353 1355 1358 1358	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1587 1588 1588 1588 1588 1588	1625 1624 1625 1622 1624 1625 1620 1626 1627 1620 1620 1623	52 51 48 44 46 46 46 46 44 85 90	70 70 70 70 70 70 70 70 70 70 70 70 70	31 31 28 17 22 25 24 24 19 18 30 31	24 24 20 20 14 16 15 22 18 15 18 15	550 450 550 150 60 44 95 75 75 65 65 460 830		710 750 1170 850 340 230 670 1300 1180 380 730	205 170 120 45 10 10 38 60 15 20 70 190	36219 30228 36112 10032 3501 2407 6864 5069 5419 4492 4492	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	atted 2 SE 19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 10 (ir 1 SE (ir gated 2 SE 16172 34399	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: tternal): (internal) 1340 4445	and ext 0.628 0.775 0.600 0.470 0.176 0.191 0.119 0.112 0.058 0.055 0.305 0.249 0.075 and ext 1.211 1.137	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.173 0.125 0.123 0.123 0.123 0.289 0.132 0.132 0.400 ternal): n: 0.735 0.717	35 16 383 430 442 467 543 552 563 588 622 623 514 80 24 57 51 11 223 233
SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot2 SB16-103_spot15 SB16-103_spot15 SB16-103_spot7 SB16-103_spot7 SB16-103_spot3 SB16-103_spot3 LP-53_spot8 LP-53_spot8 LP-53_spot3	1354 1353 1356 1357 1360 1357 1356 1353 1355 1358 1358	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1587 1588 1588 1588 1588 1588 1588	1625 1624 1625 1622 1624 1625 1620 1626 1627 1620 1623 1623 1623	52 51 48 44 46 46 46 46 44 85 90 100	70 70 70 70 70 70 70 70 70 70 70 70 70 7	31 31 28 17 22 25 24 24 19 18 30 31 35	24 24 20 20 14 16 15 22 18 15 18 15	550 450 550 150 60 44 95 75 75 65 65 460 830 650		710 750 1170 850 230 800 670 1300 1300 1180 380 730 400	205 170 120 45 10 10 38 60 15 20 70 190 190	36219 30228 36112 10032 3501 2407 6864 5069 5419 4492 48524 98390 83965	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	atted 2 SE 19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 10 (ir 1 SE (ir gated 2 SE 16172 34399 21991	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: tternal): (internal): (internal): 4445 4849	and ext 0.628 0.775 0.600 0.470 0.176 0.191 0.119 0.112 0.058 0.055 0.305 0.249 0.075 and ext 1.211 1.137 1.625	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.198 0.125 0.125 0.123 0.289 0.132 0.289 0.132 0.289 0.132 0.200 ternal): n: n: 0.735 0.717 0.758	35 16 383 430 442 467 543 552 563 588 622 623 514 80 24 57 11 223 233 233
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SB16-103_spot13 SB16-103_spot12 SB16-103_spot10 SB16-103_spot15 SB16-103_spot15 SB16-103_spot16 SB16-103_spot16 SB16-103_spot3 SB16-103_spot3 SB16-103_spot3 SB16-103_spot3 SB16-103_spot3 SB16-103_spot3 SB16-103_spot3 LP-53_spot14 LP-53_spot14 LP-53_spot16 LP-53_spot12 LP-53_spot13 LP-53_spot13 LP-53_spot6 LP-53_spot4 LP-53_spot10 LP-53_spot10 LP-53_spot17	1354 1353 1356 1357 1360 1357 1355 1355 1355 1326 1327 1325 1320 1327 1320 1327 1330 1341 1353 1343 1341 1351 1351 1353	1550 1550 1550 1550 1550 1550 1550 1550	1590 1589 1589 1588 1587 1588 1588 1588 1588 1588 1587 1587	1625 1624 1624 1625 1620 1626 1627 1626 1627 1620 1623 1623 1622 1624 1621 1621 1621 1622 1622 1622	52 51 48 44 40 46 46 46 46 46 44 40 77 75 80 100 77 75 80 100 77 75 80 100 77 46 48 49 40 83 83 83 83 83	70 70 70 70 70 70 70 70 70 70 70 70 70 7	31 31 28 17 22 25 24 24 24 19 18 30 30 31 35 28 31 29 30 31 34 30 29 28 28 28 28 28 28 28	24 24 20 20 14 16 15 22 18 15 15 18 22 24 25 20 23 22 21 20 20 21 20 20 21 20 20 21 20 21 20 20 21 21 20 20 20 20 20 20 20 20 20 20 20 20 20	550 450 550 150 60 44 95 75 65 65 65 1030 1250 870 530 630 108 1070 700 875 870 115 670		710 750 1170 850 340 670 1300 1180 1380 730 400 1150 1240 1050 480 900 110 1365 900 525 520 170 1060	205 170 120 45 10 10 38 60 15 20 70 190 290 280 260 170 170 15 240 190 155 145 20 150	36219 30228 36112 10032 3501 2407 6864 5069 5419 4492 48524 98390 83965 96415 137750 88142 55637 50924 7804 80676 48658 47875 45222 96413	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	atted 2 SE 19588 34573 35341 51459 21965 11370 8157 27237 22811 37546 31747 10 (ir 1 SE (ir 534399 21991 42412 60381 43196 22619 39579 5116 60169 35701 21972 21393 6511 40495 70683	(internal 2425 5232 4339 2552 957 149 170 606 1404 287 319 mean: tternal): tternal): (internal): (internal): (internal): 1340 4445 4849 7710 5955 6360 3977 3797 3797 3797 3797 3797 3797 379	and ext 0.628 0.775 0.600 0.470 0.176 0.176 0.176 0.176 0.172 0.058 0.055 0.249 0.075 and ext 1.211 1.137 1.625 0.896 1.008 0.829 1.104 0.700 0.982 0.784 0.778 1.667 1.673 0.676 0.632	ternal): n: 0.491 0.476 0.432 0.401 0.304 0.233 0.228 0.173 0.125 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.123 0.125 0.123 0.123 0.125 0.123 0.125 0.123 0.125 0.123 0.125 0.123 0.125 0.123 0.125 0.123 0.125 0.123 0.125 0.123 0.491 0.491 0.125 0.123 0.125 0.123 0.491 0.125 0.123 0.289 0.123 0.490 0.123 0.490 0.123 0.490 0.491 0.491 0.491 0.125 0.123 0.490 0.401 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.125 0.123 0.289 0.123 0.490 0.558 0.5593 0.5490 0.540 0.550 0.540	35           16           383           430           440           442           467           543           552           563           588           622           623           514           80           24           57           11           223           237           258           259           265           271           322           346           349           352           359           262           402           402           402

 mean:
 1.020
 0.607
 323

 1o (internal):
 0.351
 0.102
 75

 1 SE (internal):
 0.088
 0.025
 19

 propagated 2 SE (internal and external):
 45
 16

LP-52_spot1	1332	1550	1586	1622	63	70	26	20	1270	0	1770	270	117561	0	69953	5743	0.718	0.608	277
LP-52 spot3	1346	1550	1586	1621	54	70	30	23	745	0	670	155	61152	0	30553	4696	1.112	0.634	318
— ·																			
LP-52_spot2	1344	1550	1585	1621	52	70	30	24	610	0	500	130	48216	0	22801	4109	1.220	0.642	324
LP-52_spot17	1353	1460	1586	1619	49	55	31	25	1680	0	1590	390	125132	0	77425	12347	1.057	0.618	327
LP-52_spot13	1339	1460	1586	1622	55	55	26	21	1270	0	2380	250	106176	0	94062	6116	0.534	0.515	336
LP-52_spot6	1353	1550	1586	1619	46	70	33	26	1550	0	1020	320	111998	0	52873	10959	1.520	0.637	359
			1588	1620	45	75	35	21	1080	0	690	250	71410	0	35484	5583	1.565	0.635	
LP-52_spot11	1351	1470																	364
LP-52_spot18	1353	1460	1587	1620	48	55	34	28	2100	0	1570	410	153222	0	83849	13373	1.338	0.612	369
LP-52_spot12	1351	1460	1587	1620	51	55	37	22	2300	70	1850	450	178303	4094	107521	11533	1.243	0.600	371
LP-52_spot7	1352	1470	1586	1619	51	75	38	27	1740	55	1200	390	139392	4387	71628	13869	1.450	0.620	372
LP-52_spot8	1352	1470	1587	1620	48	75	38	27	1600	0	1270	320	120637	0	70910	9188	1.260	0.601	372
LP-52_spot15	1352	1460	1587	1620	42	55	34	25	1960	0	1200	390	123044	0	62019	11358	1.633	0.626	378
LP-52_spot14	1353	1460	1587	1622	40	55	32	22	990	0	770	200	59190	0	36204	5126	1.286	0.589	388
LP-52_spot16	1350	1460	1586	1618	49	55	44	23	3670	0	2300	590	273353	0	158965	15808	1.596	0.610	393
LP-52_spot5	1353	1550	1586	1620	43	70	31	25	660	0	630	165	44579	0	30678	5433	1.048	0.552	396
LP-52_spot4	1349	1550	1586	1620	44	70	36	25	1340	0	950	270	89623	0	53721	8891	1.411	0.589	401
Lr-52_spot4	1345	1550	1500	1020	44	70	50	25	1340	0	550	270	05025	0	55721			0.606	359
	1															mean:	1.249		
																ternal):	0.297	0.032	33
															1 SE (ir	ternal):	0.074	0.008	8
														propag	ated 2 SE	(internal	and ext	ternal):	30
														1.1.0		•		n:	16
LD EQ anote	1250	1520	1500	1620	60	70	50	17	2220	80	1420	210	227127	FOFF	100721	5604	1 5 6 2		
LP-50_spot6	1350	1530	1599	1620	68	70	50	17	2220	80	1420	310	237127	5955	100721	5604	1.563	0.690	306
LP-50_spot8	1348	1500	1585	1623	44	80	22	18	540	10	730	120	37322	851	25227	2297	0.740	0.576	316
LP-50_spot5	1347	1525	1601	1622	68	75	52	17	4800	150	3030	500	512708	11964	231508	9040	1.584	0.681	317
LP-50_spot1	1350	1520	1598	1625	64	80	55	25	3550	120	2100	400	356885	10209	157989	10635	1.690	0.679	325
LP-50_spot7	1351	1530	1597	1621	61	70	55	18	2250	43	1320	340	215592	3201	102990	6508	1.705	0.677	328
LP-50_spot2	1350	1520	1599	1621	61	80	55	20	4100	120	2470	430	386512	10209	185825	9146	1.660	0.665	338
LP-50_spot4	1352	1470	1596	1621	56	70	58	17	2780	70	1400	240	244542	5211	119310	4339	1.986	0.664	348
LP-50_spot14	1350	1480	1597	1621	54	75	55	21	2000	10	1000	250	169646	798	86394	5583	2.000	0.663	349
LP-50 spot10	1349	1530	1598	1620	64	80	55	21	3870	20	2230	520	389055	1702	192658	11613	1.735	0.656	351
LP-50_spot11	1351	1540	1597	1622	57	70	53	22	3120	20	1600	450	279350	1489	133204	10528	1.950	0.660	352
LP-50_spot13	1352	1480	1591	1620	55	75	49	24	2420	40	1240	550	209073	3190	95442	14038	1.952	0.656	356
LP-50_spot12	1352	1530	1596	1621	55	70	49	21	1990	25	1050	350	166371	1861	80817	7817	1.895	0.652	360
LP-50_spot15	1350	1480	1596	1620	53	75	53	20	4540	20	2300	580	377965	1595	191480	12336	1.974	0.650	363
LP-50_spot3	1352	1480	1598	1620	56	80	57	20	1200	40	660	180	102148	3403	55276	3829	1.818	0.633	379
LP-50_spot9	1351	1500	1595	1621	56	80	55	21	2260	10	1350	400	192379	851	116632	8933	1.674	0.605	403
LF-50_spots	1351	1500	1333	1021	50	80	55	21	2200	10	1330	400	192375	001	110052	mean:	1.728	0.654	346
																		0.054	340
	1																		
															1σ (ir	iternal):	0.302	0.029	25
																	0.302		
	1													propag	1 SE (ir	iternal): iternal):	0.302 0.078	0.029 0.007	25 6
	1													propag		iternal): iternal):	0.302 0.078	0.029 0.007 ternal):	25 6 29
LP.42 cpo+14	1	1525	1602	1619	90	100	50	20	2450	250	2050	280	497722		1 SE (in ated 2 SE	iternal): iternal): (internal	0.302 0.078 and ext	0.029 0.007 ternal): n:	25 6 29 15
LP-42_spot14	1344	1525	1603	1619	90	100	50	20	3450	250	2950	380	487732	26587	1 SE (ir ated 2 SE 201760	iternal): iternal): (internal 8082	0.302 0.078 and ext	0.029 0.007 ternal): n: 0.699	25 6 29 15 256
LP-42_spot13	1344	1530	1603	1620	90	110	53	20	5500	430	5000	480	777544	26587 50302	1 SE (ir ated 2 SE 201760 349041	iternal): iternal): (internal 8082 10209	0.302 0.078 and ext 1.169 1.100	0.029 0.007 ternal): n: 0.699 0.690	25 6 29 15 256 256
					0.000									26587	1 SE (ir ated 2 SE 201760	iternal): iternal): (internal 8082	0.302 0.078 and ext	0.029 0.007 ternal): n: 0.699	25 6 29 15 256
LP-42_spot13	1344	1530	1603	1620	90	110	53	20	5500	430	5000	480	777544	26587 50302	1 SE (ir ated 2 SE 201760 349041	iternal): iternal): (internal 8082 10209	0.302 0.078 and ext 1.169 1.100	0.029 0.007 ternal): n: 0.699 0.690	25 6 29 15 256 256
LP-42_spot13 LP-42_spot8 LP-42_spot5	1344 1342 1345	1530 1525 1530	1603 1604 1604	1620 1622 1622	90 87 87	110 105 100	53 53 50	20 19 20	5500 5450 4200	430 380 320	5000 4500 3660	480 600 450	777544 744793 573969	26587 50302 42433 34031	1 SE (ir ated 2 SE 201760 349041 320186 250320	ternal): ternal): (internal 8082 10209 12124 9571	0.302 0.078 and ext 1.169 1.100 1.211 1.148	0.029 0.007 ternal): n: 0.699 0.690 0.699 0.688	25 6 29 15 256 256 262 265
LP-42_spot13 LP-42_spot8 LP-42_spot5 LP-42_spot18	1344 1342 1345 1344	1530 1525 1530 1525	1603 1604 1604 1604	1620 1622 1622 1619	90 87 87 81	110 105 100 105	53 53 50 53	20 19 20 21	5500 5450 4200 3950	430 380 320 270	5000 4500 3660 3220	480 600 450 120	777544 744793 573969 502576	26587 50302 42433 34031 30149	1 SE (in ated 2 SE 201760 349041 320186 250320 216124	ternal): (internal): (internal) 8082 10209 12124 9571 2680	0.302 0.078 and ext 1.169 1.100 1.211 1.148 1.227	0.029 0.007 ternal): 0.699 0.690 0.699 0.688 0.697	25 6 29 15 256 256 262 265 266
LP-42_spot13 LP-42_spot8 LP-42_spot5 LP-42_spot18 LP-42_spot11	1344 1342 1345 1344 1346	1530 1525 1530 1525 1530	1603 1604 1604 1604 1603	1620 1622 1622 1619 1620	90 87 87 81 78	110 105 100 105 110	53 53 50 53 51	20 19 20 21 20	5500 5450 4200 3950 4430	430 380 320 270 210	5000 4500 3660 3220 3080	480 600 450 120 500	777544 744793 573969 502576 542773	26587 50302 42433 34031 30149 24566	1 SE (in ated 2 SE 201760 349041 320186 250320 216124 206895	ternal): (internal): (internal): 10209 12124 9571 2680 10635	0.302 0.078 and ext 1.169 1.100 1.211 1.148 1.227 1.438	0.029 0.007 ternal): n: 0.699 0.699 0.688 0.697 0.714	25 6 29 15 256 256 262 265 266 270
LP-42_spot13 LP-42_spot8 LP-42_spot5 LP-42_spot18 LP-42_spot11 LP-42_spot10	1344 1342 1345 1344 1346 1344	1530 1525 1530 1525 1530 1520	1603 1604 1604 1604 1603 1604	1620 1622 1622 1619 1620 1621	90 87 87 81 78 88	110 105 100 105 110 110	53 53 50 53 51 55	20 19 20 21 20 19	5500 5450 4200 3950 4430 6900	430 380 320 270 210 610	5000 4500 3660 3220 3080 6100	480 600 450 120 500 450	777544 744793 573969 502576 542773 953788	26587 50302 42433 34031 30149 24566 71359	1 SE (ir ated 2 SE 201760 349041 320186 250320 216124 206895 450409	tternal): tternal): (internal 8082 10209 12124 9571 2680 10635 9093	0.302 0.078 and ext 1.169 1.100 1.211 1.148 1.227 1.438 1.131	0.029 0.007 ternal): n: 0.699 0.690 0.688 0.697 0.714 0.679	25 6 29 15 256 256 262 265 265 266 270 273
LP-42_spot13 LP-42_spot8 LP-42_spot5 LP-42_spot18 LP-42_spot11	1344 1342 1345 1344 1346	1530 1525 1530 1525 1530	1603 1604 1604 1604 1603	1620 1622 1622 1619 1620	90 87 87 81 78	110 105 100 105 110	53 53 50 53 51	20 19 20 21 20	5500 5450 4200 3950 4430	430 380 320 270 210	5000 4500 3660 3220 3080	480 600 450 120 500	777544 744793 573969 502576 542773	26587 50302 42433 34031 30149 24566	1 SE (in ated 2 SE 201760 349041 320186 250320 216124 206895	ternal): (internal): (internal): 10209 12124 9571 2680 10635	0.302 0.078 and ext 1.169 1.100 1.211 1.148 1.227 1.438	0.029 0.007 ternal): n: 0.699 0.699 0.688 0.697 0.714	25 6 29 15 256 256 262 265 266 270
LP-42_spot13 LP-42_spot8 LP-42_spot5 LP-42_spot18 LP-42_spot11 LP-42_spot10	1344 1342 1345 1344 1346 1344	1530 1525 1530 1525 1530 1520	1603 1604 1604 1604 1603 1604	1620 1622 1622 1619 1620 1621	90 87 87 81 78 88	110 105 100 105 110 110	53 53 50 53 51 55	20 19 20 21 20 19	5500 5450 4200 3950 4430 6900	430 380 320 270 210 610	5000 4500 3660 3220 3080 6100	480 600 450 120 500 450	777544 744793 573969 502576 542773 953788	26587 50302 42433 34031 30149 24566 71359	1 SE (ir ated 2 SE 201760 349041 320186 250320 216124 206895 450409	tternal): tternal): (internal 8082 10209 12124 9571 2680 10635 9093	0.302 0.078 and ext 1.169 1.100 1.211 1.148 1.227 1.438 1.131	0.029 0.007 ternal): n: 0.699 0.690 0.688 0.697 0.714 0.679	25 6 29 15 256 256 262 265 265 266 270 273
LP-42_spot13 LP-42_spot8 LP-42_spot5 LP-42_spot18 LP-42_spot11 LP-42_spot10 LP-42_spot2 LP-42_spot2 LP-42_spot7	1344 1342 1345 1344 1346 1344 1348 1350	1530 1525 1530 1525 1530 1520 1530 1530	1603 1604 1604 1603 1604 1605 1604	1620 1622 1619 1620 1621 1620 1623	90 87 81 78 88 88 80 82	110 105 100 105 110 110 100 105	53 53 50 53 51 55 50 50	20 19 20 21 20 19 20 20	5500 5450 4200 3950 4430 6900 3480 4700	430 380 320 270 210 610 230 420	5000 4500 3660 3220 3080 6100 2790 3900	480 600 450 120 500 450 130 580	777544 744793 573969 502576 542773 953788 437310 605385	26587 50302 42433 34031 30149 24566 71359 24460 46899	1 SE (ir ated 2 SE 201760 349041 320186 250320 216124 206895 450409 190817 266734	tternal): (internal): (internal): 10209 12124 9571 2680 10635 9093 2765 12336	0.302 0.078 and ext 1.169 1.100 1.211 1.148 1.227 1.438 1.131 1.247 1.205	0.029 0.007 ternal): 0.699 0.699 0.699 0.688 0.697 0.714 0.679 0.693 0.683	25 6 29 15 256 256 262 265 266 270 273 273 273
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																mean:	1.426	0.704	278
															1σ (ir	nternal):	0.108	0.013	16
															1 SE (ir	nternal):	0.029	0.003	4
														propag	ated 2 SE	(interna	and ex	ternal):	28
																		n:	14
LP-36_spot8	1347	1530	1600	1620	92	110	54	20	4250	470	3450	350	614181	54982	235931	7444	1.232	0.716	246
LP-36_spot13	1349	1530	1602	1620	80	105	52	20	6300	830	4350	550	791681	92682	291050	11698	1.448	0.731	253
LP-36_spot3	1349	1515	1602	1620	90	110	55	22	4200	330	3160	250	593761	38604	228918	5849	1.329	0.717	256
LP-36_spot15	1349	1535	1603	1621	76	105	51	20	6300	490	4320	600	752097	54716	283485	12762	1.458	0.726	259
LP-36_spot12	1349	1530	1603	1620	74	105	53	21	3870	280	2500	420	449845	31266	170487	9380	1.548	0.725	267
LP-36_spot9	1350	1520	1600	1620	87	115	57	20	5550	680	4130	450	758459	83164	304095	9571	1.344	0.707	269
LP-36_spot1	1345	1515	1599	1621	87	110	55	20	1900	180	1300	250	259653	21057	97802	5317	1.462	0.716	270
LP-36_spot10	1348	1530	1604	1620	73	115	53	20	4720	300	3150	300	541234	36690	214814	6381	1.498	0.716	273
LP-36_spot11	1348	1535	1604	1620	76	105	53	22	4500	340	3050	350	537212	37966	207994	8189	1.475	0.713	274
LP-36_spot14	1349	1535	1603	1620	75	110	54	20	6550	500	4480	550	771654	58491	311277	11698	1.462	0.705	282
LP-36_spot5	1347	1525	1604	1619	75	105	55	20	6600	420	4650	250	777544	46899	336857	5317	1.419	0.698	286
LP-36_spot7	1349	1525	1604	1620	76	115	54	20	3800	230	2630	250	453646	32154	194264	5317	1.445	0.700	286
LP-36_spot2	1351	1505	1600	1621	77	110	57	20	5850	400	4350	700	707565	46793	326583	14889	1.345	0.684	293
LP-36_spot4	1348	1520	1604	1620	75	110	57	22	4700	300	3240	300	553706	35095	243248	7019	1.451	0.689	298
LP-36_spot6	1349	1520	1604	1620	74	105	57	20	4630	240	3070	420	538186	26800	239363	8933	1.508	0.684	308
																mean:	1.428	0.708	275
															1σ (ir	nternal):	0.079	0.014	17
															1 SE (ir	nternal):	0.021	0.004	4
														propag	ated 2 SE	(interna	and ex	ternal):	27
																		n:	15

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**Discussion DR2:** Analytical methods and supporting data for quartz petrofabric analyses

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The orientations of quartz c-axes were measured on polished, foliation-normal, lineation-57 58 parallel thin sections using a Crystal Imaging Systems G60 automated crystal fabric analyzer 59 from Russell-Head systems, housed at the University of British Columbia, Okanagan. Detailed 60 descriptions of previous generation instruments that operate using the same theoretical approach are included in Wilson et al. (2007) and Peternell et al. (2010). The fabric analyzer determines 61 62 the trend and plunge of the *c*-axis for each pixel in a composite image of the entire thin section, producing an achsenverteilungsanalyse (AVA) diagram (e.g., Sander, 1950) from which the user 63 64 can build a spatially-referenced fabric using a variety of plane- and cross-polarized images to verify mineralogy. The orientations measured using this analytical method produce equivalent 65 results to those measured using Electron BackScatter Diffraction, x-ray goniometry and neutron 66 diffraction (e.g., Wilson et al., 2007; Peternell et al., 2010; Hunter et al. 2017). 67 Pole figures were generated using the program Orient (Vollmer, 2017), and were 68

69 contoured using a Fourier transform of the entire orientation data set relative to multiples of a

random distribution. Quartz *c*-axis fabric skeletons (Lister and Williams, 1979) were visually

best-fit using the methods discussed in Law (2014). The opening angles of the crossed-girdle c-

axis fabrics yielded by samples 3, 7, 14, and 82 were estimated by counting the degrees along the

perimeter circle between the intersections of the fabric skeleton with the perimeter circle. The 73 74 deformation temperature ranges reported for these samples were estimated using the pressureindependent calibration of Faleiros et al. (2016; their equation 1). Shear-sense on the pole plots 75 for samples 3, 10, 14, and 21A was determined by asymmetry in the orientation of single- or 76 crossed-girdle patterns relative to foliation, after Lister and Williams (1979) and Passchier and 77 Trouw (2005). The bisector of the type II crossed-girdle yielded by Sample 82 is oriented 78 approximately normal to foliation, and therefore could not be used to determine shear sense. 79 80 81 82 Discussion DR3: Analytical methods and supporting data for estimation of mean kinematic 83 vorticity (W<sub>m</sub>) using the quartz shape-preferred orientation (SPO) method of Wallis (1992; 1995) 84 85 In the case of plane-strain, monoclinic flow, quartz neoblasts are stretched in the 86 direction of the instantaneous stretching axis (ISA<sub>1</sub>) during and after dynamic recrystallization 87

88 (e.g., Johnson et al., 2009) (Fig. DR1A). With continued strain, the long axes of deformed neoblasts progressively rotate toward the flow apophysis (AP1). The ISA1 can be estimated by 89 measuring the mean angle between foliation and the long axes of elongated quartz neoblasts 90 (denoted here as  $\theta'_{ISA1}$ ). The AP<sub>1</sub> can be estimated by measuring the acute angle between 91 foliation and the line normal to the central axis of a single- or crossed-girdle in a quartz c axis 92 plot (denoted here as  $\beta$ , after Law et al., 2013) (Fig. DR1A). The angle between the ISA1 and the 93 AP1 (denoted here as  $\zeta$ , after Law et al., 2013), is equal to the sum of  $\theta'_{ISA1}$  and  $\beta$ , and mean 94 kinematic vorticity ( $W_m$ ) is equal to  $sin(2\zeta)$  (Wallis, 1992; 1995). 95

96 We measured  $\beta$  by constructing a visual best-fit fabric skeleton of the *c*-axis plots (e.g., Lister and Williams, 1979) (see discussion above). For the four samples that exhibited a type I 97 crossed girdle or a single girdle (3, 10, 14, 21A),  $\beta$  was measured as the acute angle between 98 foliation and the line normal to central axis of the girdle (Figs. 9, DR1B). For sample 82, which 99 100 yielded a type II crossed girdle,  $\beta$  was measured as the acute angle between foliation and the line normal to the bisector of the legs of the crossed girdle.  $\beta$  is reported as positive if it was inclined 101 down to the SE relative to foliation, which is consistent with a top-to-SE shear sense. 102 Conversely, if  $\beta$  was inclined down to the NW relative to foliation, which is consistent with a 103

- top-to-NW shear sense, it was reported as negative. For the five samples in which  $\beta$  was able to be measured, it varied between 1° and -18° (Fig. 9, Table 3).
- After the procedure described in Long et al. (2016), we define the angle between the ISA<sub>1</sub> 106 and foliation as  $\theta'_{ISA1}$ , which we estimated using the mean value of  $\theta'$  (defined as the acute angle 107 measured between the long axis of a quartz neoblast and foliation; e.g., Ramsay and Huber, 108 1983) measurements from >100 adjacent quartz neoblasts. Grain boundaries were traced in 109 110 Adobe Illustrator, with the areas of quartz neoblasts filled in solid white and any mineral phases other than quartz filled in solid black (Fig. DR2). This binary black-and-white image was 111 imported into the program Image J (Schneider et al., 2012), and individual quartz neoblasts were 112 modeled as ellipses using the 'fit ellipse' measurement tool. This generated an image of the fit 113 ellipses (Fig. DR2), and a table of long axis length, short axis length, and long axis orientation 114 data for each ellipse. The long axis orientation data were then used to populate  $\theta$ ' frequency 115 histograms (Figs. 9E, DR3) for each analysis. The sign convention used for  $\theta$  is: clockwise from 116 foliation is positive, and counterclockwise from foliation is negative. The reported  $\theta'_{ISA1}$  is the 117
- 118 mean of all  $\theta$ ' measurements, with  $\pm 1$  standard error.

**Figure DR1:** Diagrams illustrating angles pertinent for estimating W<sub>m</sub> using the quartz SPO

- 120 method (modified from Long et al., 2016). A) Diagram of the kinematics of plane-strain,
- 121 monoclinic deformation (modified from Johnson et al., 2009). ISA<sub>1</sub> and ISA<sub>2</sub> are the
- instantaneous stretching axes, and  $AP_1$  and  $AP_2$  are the flow apophyses. Relationships between
- 123  $\beta$ ,  $\theta$ '<sub>ISA1</sub>,  $\zeta$ , and  $W_m$ , as defined above, are shown. B) Illustration of determination of the  $\beta$  angle
- 124 from a *c*-axis fabric skeleton (modified from Law et al., 2013). C) Illustration of determination of
- 125  $\theta'_{ISA1}$  from a frequency histogram of all  $\theta'$  measurements.  $\theta'_{ISA1}$  is calculated as the mean of all
- 126 measurements, and is reported with  $\pm 1$  standard error.

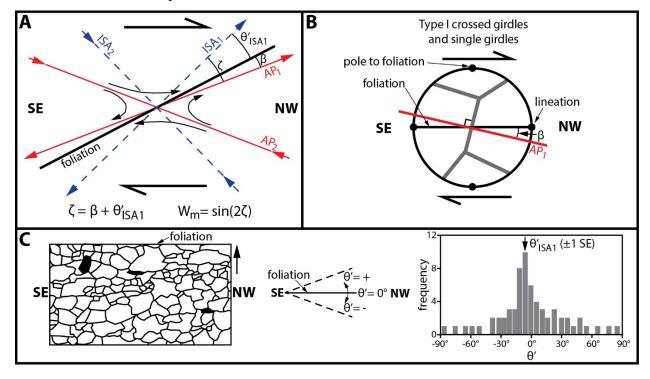


Figure DR2 (following page): Supporting figures for the estimation of  $\theta'_{ISA1}$  from foliationnormal, lineation-parallel thin sections of samples 3, 10, 14, 21A, and 82. Three figures are shown for each sample: 1) A photomicrograph taken in cross-polarized light with a 540 nm  $\lambda$ plate inserted (oriented with foliation horizontal; view direction is toward the southwest); 2) a line trace of >100 adjacent, recrystallized quartz neoblasts (with white fill; phases other than quartz are shown with black fill); and 3) the ImageJ output figure after performing the 'fit ellipse' function.

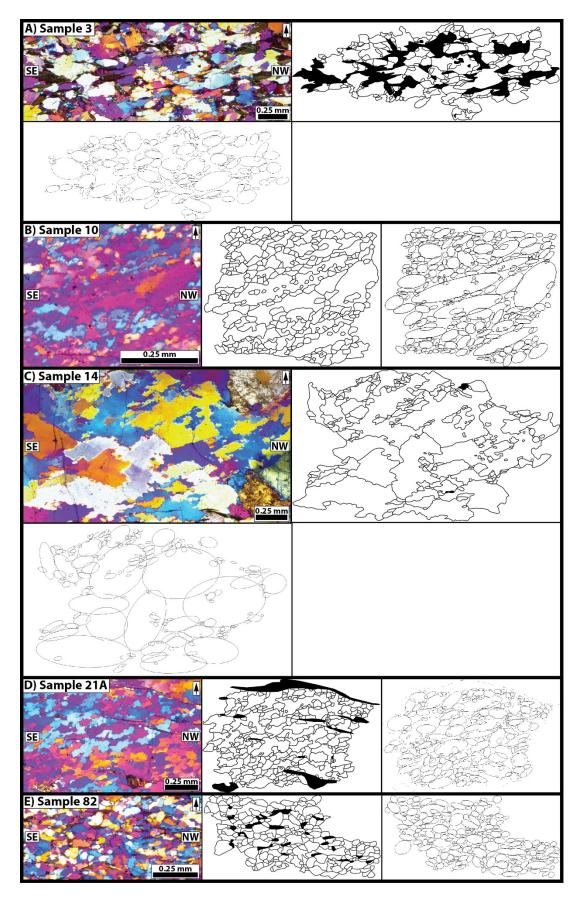
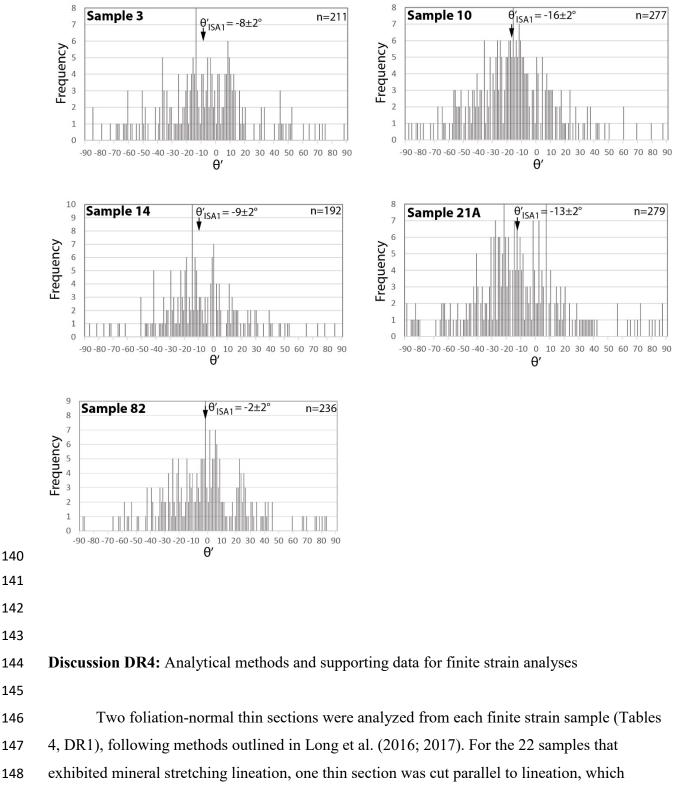


Figure DR3: Frequency histograms of  $\theta$ ' (the acute angle between foliation and the long axes of quartz neoblasts; e.g., Ramsay and Huber, 1983) in 1° increments for samples 3, 10, 14, 21A, and 82.  $\theta$ '<sub>ISA1</sub> is defined as the mean of all  $\theta$ ' measurements, ±1 standard error.



approximates the XZ strain plane (thin sections ending with 'A'), and one was cut normal to
lineation, which approximates the YZ strain plane (thin sections ending with 'B'). For the three
samples that exhibited crenulation cleavage but not stretching lineation, the 'A' thin section was
cut normal to crenulation cleavage, and the 'B' thin section was cut parallel to crenulation
cleavage.

For each thin section, the Rf- $\phi$  method (e.g., Ramsay, 1967; Dunnet, 1969; Ramsay and 154 Huber, 1983) was used to quantify a 2D strain ellipse. The final elongation (Rf; the ratio of the 155 long axis to the short axis), and  $\phi$  (defined here as the angle of inclination of the long axis 156 measured relative to foliation), were measured for  $\geq$ 30 non-recrystallized quartz porphyroclasts 157 on photomicrographs of each thin section. Photomicrographs were taken with the apparent dip of 158 159 tectonic foliation oriented horizontal, NW or NE toward the right-hand side of the page, and structurally-upward toward the top of the page. Similar to the methods described above in 160 Discussion DR3, grain boundaries were traced in Adobe Illustrator, with the areas of quartz 161 porphyroclasts filled in solid white and all mineral phases other than quartz filled in solid black 162 (Fig. DR4). This binary image was then imported into ImageJ (Schneider et al., 2012), and 163 individual quartz porphyroclasts were modeled as ellipses using the 'fit ellipse' measurement 164 tool. This generated an image of the fit ellipses (Fig. DR4), and a table of long axis length, short 165 axis length, and long axis orientation ( $\phi$ ) for each grain, which were then used to populate the Rf-166  $\phi$  graphs (Fig. DR5). Representative photomicrographs, binary images, and fit ellipses are shown 167 168 in Figure DR4, and Rf- $\phi$  plots showing data from individual grains measured on each thin section are shown in Figure DR5. 169

170 For all analyses, the mean of all  $\phi$  values is reported as the overall  $\phi$  value for the thin section. Analyses from 14 samples resembled 'situation B' of Figure 5.5 of Ramsay and Huber 171 172 (1983); for these samples, the tectonic ellipticity (Rs) of each thin section was estimated using the harmonic mean of all Rf values (e.g., Lisle, 1977; 1979). Analyses from 11 samples 173 174 resembled 'situation A' of Figure 5.5 of Ramsay and Huber (1983); for these samples, Rs was calculated using the equation  $Rs = (Rf maximum/Rf minimum)^{1/2}$ , with Rf maximum determined 175 176 from a grain situated near the mean  $\phi$  value and Rf minimum determined from a grain that was approximately 90° away from the mean  $\phi$  value (Ramsay and Huber, 1983). Uncertainties 177 reported for Rs and  $\phi$  represent 1 standard error of all measurements (Rs values and uncertainties 178 are rounded to the nearest single decimal place, and  $\phi$  values and uncertainties are rounded to the 179

180 nearest degree). Uncertainties in Rs range between  $\pm 0.1$ -0.3, and uncertainties in  $\phi$  range

181 between  $\pm 2-9^{\circ}$ .  $\phi$  was measured relative to the apparent dip of foliation, and is therefore

equivalent to the parameter  $\theta$ ' defined by Ramsay and Huber (1983). The sign convention used

183 for  $\phi$  is: down to the NW or NE relative to foliation (clockwise from foliation in the

184 photomicrographs) is positive, and down to the SE or SW relative to foliation (counterclockwise

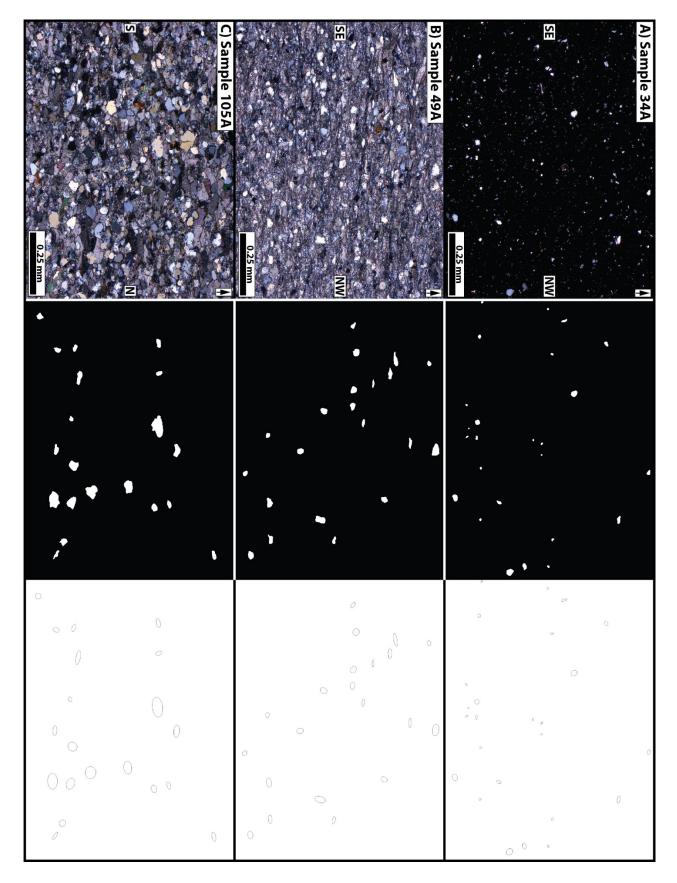
185 from foliation in the photomicrographs) is negative.

186 The Rs and  $\phi$  values for the 2D strain ellipses from each 'A' and 'B' thin section were combined to generate the 3D strain ellipsoid for the sample (e.g., Long et al., 2016; 2017). For 187 all analyses, the Z axis was assigned an Rs value of 1.0 in both ellipses, and the Rs values of 188 both 2D ellipses were then directly compared to assign the X and Y strain directions (X>Y) and 189 190 the relative magnitudes of the axes of the 3D strain ellipsoid. For all analyses, Rs in the 'A' thin section was either greater than or equivalent within error to Rs in the 'B' thin section, and in 39 191 of the 50 analyzed thin sections, the shortening direction is within 10° of normal to foliation. 192 This justifies the use of macroscopic structural features, including foliation, lineation, and 193 crenulation cleavage, to approximate the principal strain directions within the studied rocks. In 194 addition, the quartz *c*-axis fabrics on Figure 9, by analogy with experiments and numerical 195 modeling of fabric development, also demonstrate that stretching lineation in the analyzed 196 samples is parallel to the maximum finite stretch (X) direction (e.g., Lister et al., 1978; Lister 197 and Hobbs, 1980). 198

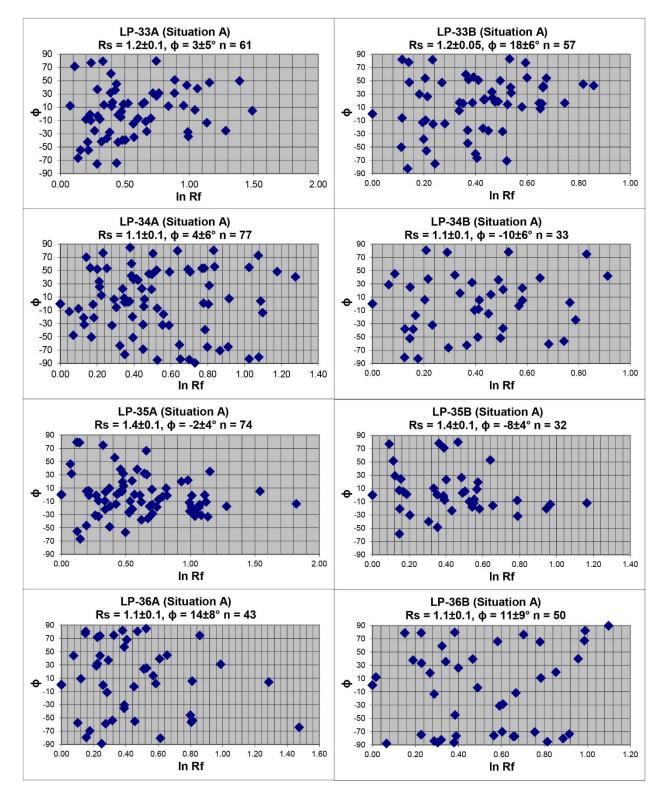
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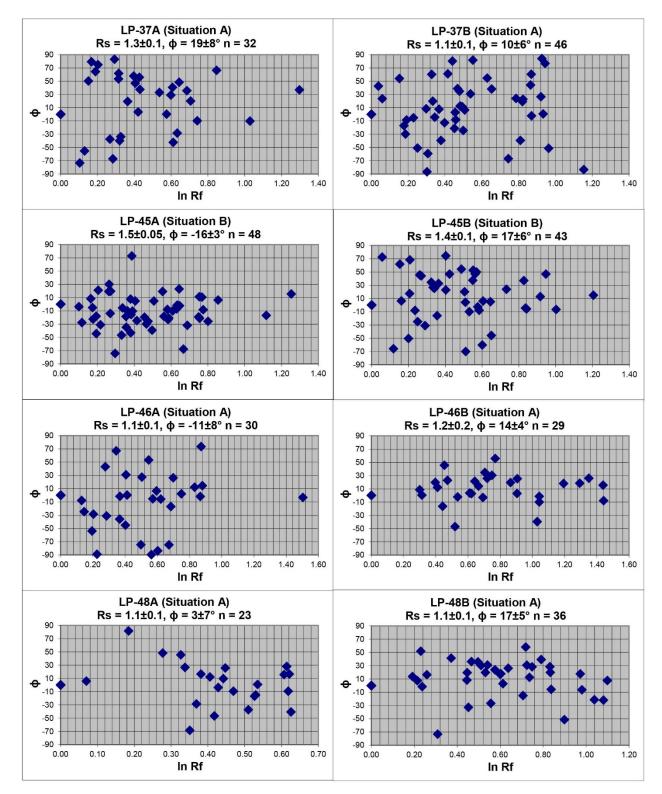
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Figure DR4 (following page): Annotated photomicrographs showing representative examples of quartz grain measurements for Rf- $\phi$  analyses. All photomicrographs were taken in XPL, with foliation oriented horizontal (arrow points structurally-upward). Three figures are shown for each sample: 1) a photomicrograph; 2) a binary image of traced quartz porphyroclasts (with white fill; phases other than quartz are shown with black fill); and 3) the ImageJ output figure after performing the 'fit ellipse' function.

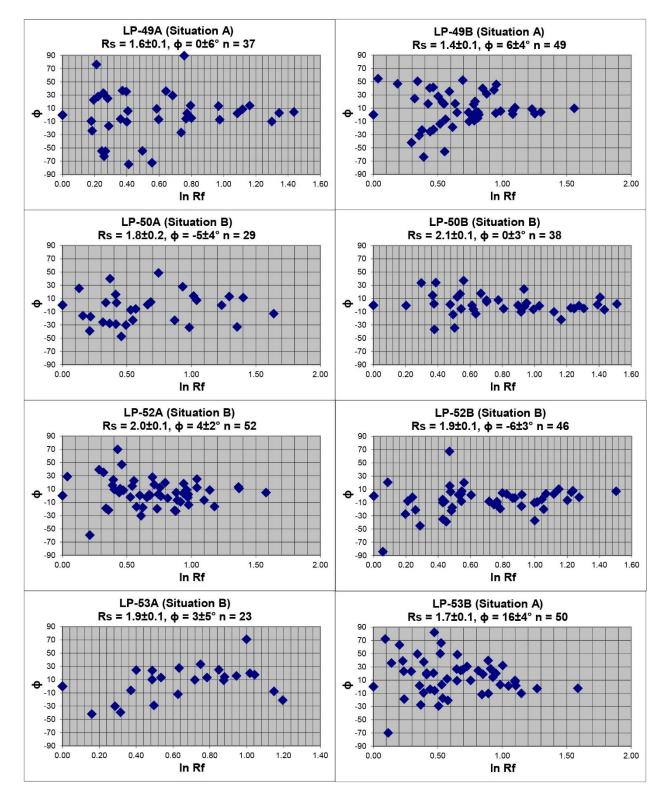


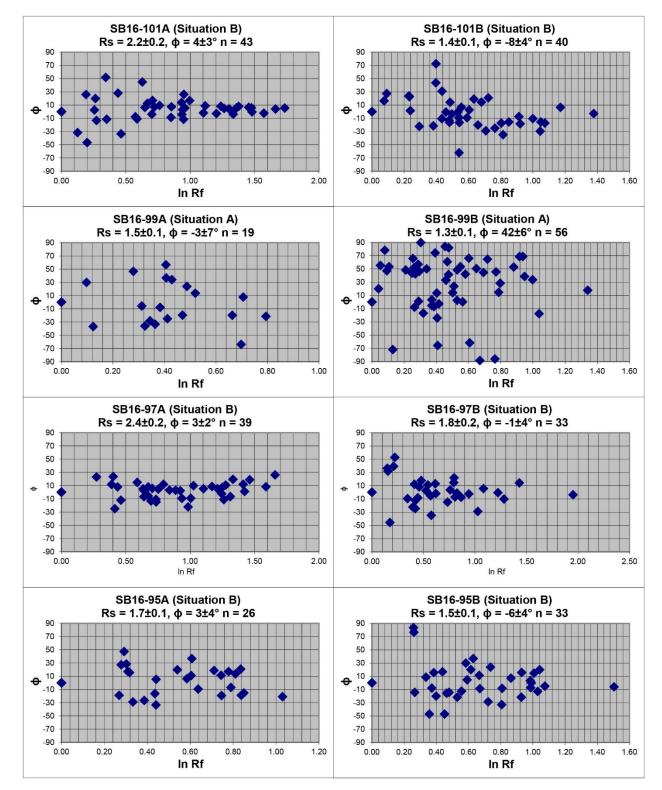
- **Figure DR5 (following 7 pages):** Rf-φ graphs plotting the natural log of final ellipticity (Rf)
- 209 versus the orientation of the long axis ( $\phi$ ) for individual quartz porphyroclasts.  $\phi$  is measured
- relative to foliation; a positive  $\phi$  value is down to the NW or NE relative to foliation (i.e.,
- 211 clockwise relative to foliation in the photomicrographs), and a negative  $\phi$  value is down to the
- 212 SE or SW relative to foliation (i.e., counterclockwise relative to foliation in the
- 213 photomicrographs). Errors reported for Rs and  $\phi$  represent 1 SE of all measurements. 'Situation
- A' and 'Situation B' refer to Figure 5.5 of Ramsay and Huber (1983). Refer to Table DR1 for a
- 215 guide to abbreviated sample numbers used in the text.



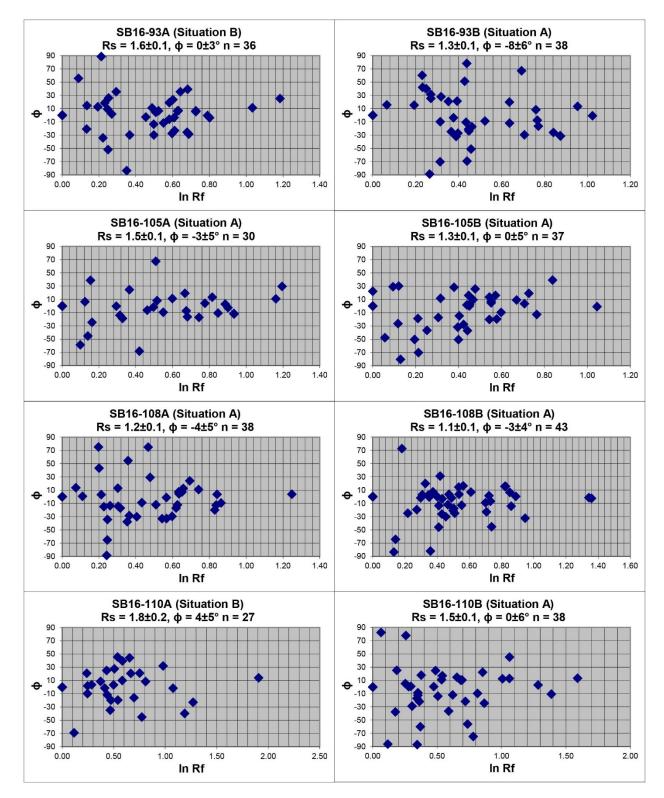




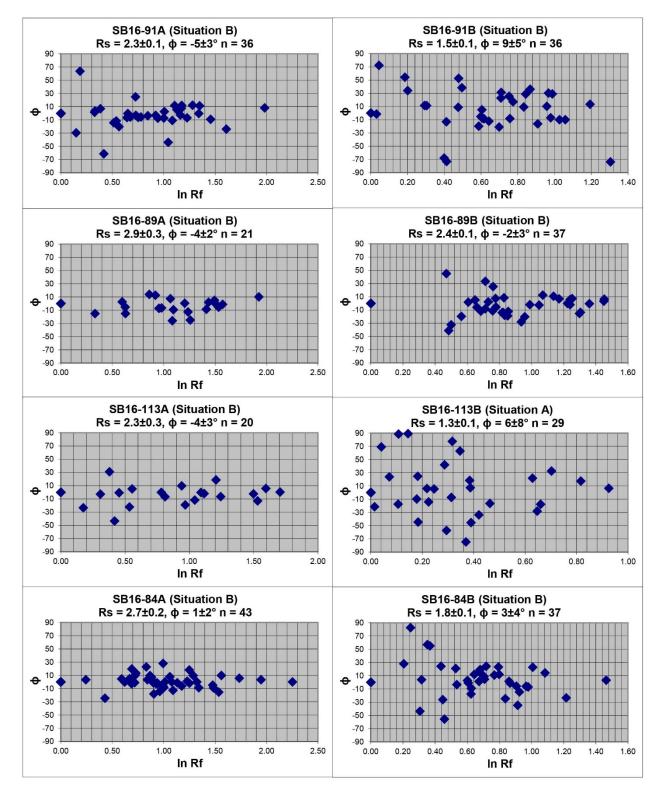




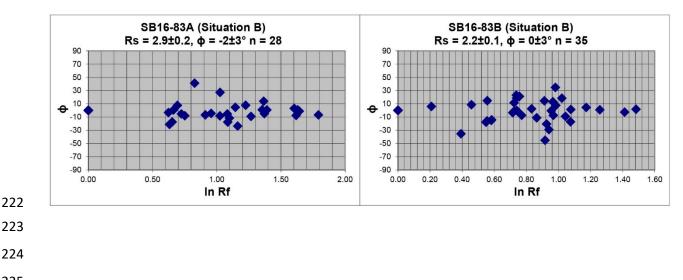












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**Discussion DR5:** Evidence supporting assumptions for estimation of  $W_m$  using the Rs- $\theta$ ' method 227

Assuming plane strain, and idealized, steady-state flow, the relationship between tectonic 228 strain (Rs) and the angle between foliation and the long axis of the strain ellipsoid ( $\theta$ ') can be 229 used to estimate W<sub>m</sub> (Fossen and Tikoff, 1993; Tikoff and Fossen, 1995). W<sub>m</sub> can be measured 230 by plotting the Rs value of the transport-parallel ('A') thin section versus the corresponding  $\theta$ ' 231 232 value, and comparing to graphed lines of constant W<sub>m</sub> (e.g., Tikoff and Fossen, 1995; Yonkee, 233 2005). This involves assumption that the orientation of macroscopic foliation approximates the 'shear zone boundary', or boundary of the 'high strain zone' (Tikoff and Fossen, 1995). As 234 illustrated in mapping in Bhutan and other regions of the Himalaya, 1<sup>st</sup>-order Himalayan shear 235 zones such as the STDS are oriented subparallel to macroscopic foliation for significant across-236 237 strike map distances, including  $\geq$  50 km in the Lingshi region of northwestern Bhutan (Long et al., 2011; Kellett and Grujic, 2012; this study),  $\geq$ 75 km in north-central Nepal (Robinson et al., 238 239 2006), and ≥100 km in the Himachal Himalaya in northwestern India (Webb, 2013). This justifies the assumption that macroscopic foliation is approximately parallel to the boundaries of 240 241 major Himalayan shear zones such as the STDS. 242 243 244 Discussion DR6: Calculation of transport-parallel lengthening and transport-normal shortening. 245

- Restoration of the 3D strain ellipsoid for each sample to a sphere allowed estimation of elongations in the X and Y directions and shortening in the Z direction (Table DR3). The Y elongation obtained from this exercise was used to calculate the corrected flow-plane parallel and flow-plane normal elongations discussed below (e.g., Law, 2010; Xypolias et al., 2010).
- For calculation of flow plane-parallel (i.e., transport-parallel) lengthening and flow-251 plane-normal (i.e., transport-normal) shortening, the equations of Figure 10 of Law (2010), 252 which integrate strain ratio in the X/Z plane (Rs<sub>[X/Z]</sub>) with mean kinematic vorticity number 253  $(W_m)$ , were utilized. Because a range of  $W_m$  values for each sample was estimated with the Rs- $\theta$ ' 254 method (due to assignment of a 1 SE range for estimation of  $\theta$ ' values; e.g., Long et al., 2016; 255 2017), the low and high ranges of W<sub>m</sub> values were used to estimate a permissible range of 256 lengthening and shortening values. As these values do not account for lengthening in the Y 257 direction, they are listed in Table DR3 as 'uncorrected'. 258

Next, using the Y lengthening values estimated for each sample from restoration of the ellipsoid to a sphere (the 'percent stretch in Y' on the graphs of Law, 2010, his Fig. 11, and Xypolias et al., 2010, their Fig. 11), corrected values for transport-parallel lengthening and transport-normal shortening were calculated that account for lengthening in Y. These corrected values were calculated for the low and high ranges of  $W_m$  for each sample. These corrected ranges are listed on Table 4 in the text, and plotted on Figure 10E-F.

Six low-strain magnitude (Rs typically  $\leq 1.3$ ) samples from strain domain 3 (48, 46, 45, 265 266 37, 36, 34), four of which exhibit  $W_m$  values as high as ~0.65-0.85, yielded negative values for corrected transport-parallel lengthening and corrected transport-normal shortening for the high 267 range of their W<sub>m</sub> values. This indicates the potential for a component of lengthening normal to 268 the transport direction and a component of shortening parallel to the transport direction. These 269 270 data that yielded negative values were not able to be plotted on the Law (2010) and Xypolias et al. (2010) figures for correction of lengthening in Y. Therefore, only the positive portion of their 271 272 error range is plotted on Figure 10E-F.

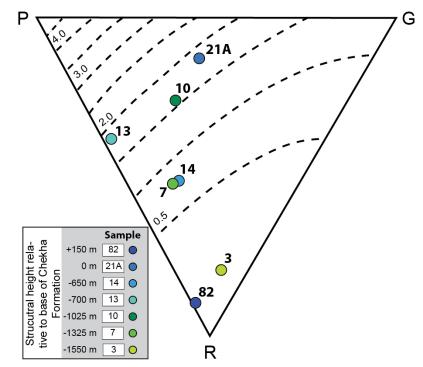
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Table DR3 (following two pages): Supporting data for calculation of transport-parallel
lengthening and transport-normal shortening values from strain samples on the Dodena-Lingshi
transect. Refer to Table DR1 for a guide to abbreviated sample numbers used in the text.

	Structural								Elongation val	Elongation values from restoration to a sphere:	ration to a sph	ere:	Uncorrected	Uncorrected	Uncorrected	Uncorrected
	height						Low	High		Lineation-	Lineation-	Foliation-	transport-	transport-	transport-	transport-
	above base						٤	۲	Undeformed	parallel (X)	normal (Y)	normal (Z)	normal	normal	parallel	parallel
	of Chekha						from	from	sphere	lengthening	lengthening	shortening	stretch	shortening (%)	stretch	lengthening (%)
Sample	Fm (km)	Rs <sub>[x/z]</sub>	θ' [x/z]	Rs <sub>[Y/z]</sub>	θ' <sub>[y/z]</sub>	Rs[x/y]	Rs-0'	Rs-0'	diameter	(%)	(%)	(%)	(low Wm)	(low Wm)	(low Wm)	(low Wm)
LP-33	9.675	1.2	ω	1.2	18	1.0	0.00	0.30	1.13	6	6	11	0.91	9	1.10	10
LP-34	9.575	1.1	4	1.1	-10	1.0	0.00	0.35	1.07	ω	ω	6	0.95	σ	1.05	ъ
LP-35	9.475	1.4	-2	1.4	ò	1.0	0.00	0.25	1.25	12	12	20	0.85	15	1.18	18
LP-36	8.775	1.1	14	1.1	11	1.0	0.20	0.70	1.07	З	З	6	0.97	З	1.03	З
LP-37	8.450	1.3	19	1.1	10	1.2	0.45	0.85	1.13	15	-2	11	1.00	0	1.00	0
LP-45	5.700	1.5	-16	1.4	17	1.1	0.55	0.75	1.28	17	9	22	1.01	-1	0.99	4
LP-46	4.950	1.2	14	1.1	-11	1.1	0.35	0.65	1.10	9	0	9	0.98	2	1.02	2
LP-48	4.700	1.1	ω	1.1	17	1.0	0.00	0.35	1.07	З	З	6	0.95	ъ	1.05	5
LP-49	4.650	1.6	0	1.4	6	1.1	0.00	0.25	1.31	22	7	24	0.79	21	1.26	26
LP-50	4.425	2.1	0	1.8	Ϋ́	1.2	0.00	0.15	1.56	35	16	36	0.69	31	1.45	45
LP-52	3.600	2.0	4	1.9	-6	1.1	0.10	0.30	1.56	28	22	36	0.71	29	1.40	40
LP-53	3.275	1.9	ω	1.7	16	1.1	0.00	0.40	1.48	29	15	32	0.73	27	1.38	38
SB16-101	2.375	2.2	4	1.4	8	1.6	0.05	0.40	1.45	51	-4	31	0.68	32	1.48	48
SB16-99	2.225	1.5	ώ	1.3	42	1.2	0.00	0.45	1.25	20	4	20	0.82	18	1.22	22
SB16-97	1.975	2.4	ω	1.8	Ľ	1.3	0.05	0.30	1.63	47	11	39	0.65	35	1.55	55
SB16-95	1.775	1.7	ω	1.5	-6	1.1	0.00	0.35	1.37	24	10	27	0.77	23	1.30	30
SB16-93	1.600	1.6	0	1.3	-8	1.2	0.00	0.25	1.28	25	2	22	0.79	21	1.26	26
SB16-105	1.275	1.5	ώ	1.3	0	1.2	0.00	0.35	1.25	20	4	20	0.82	18	1.22	22
SB16-108	1.175	1.2	-4	1.1	Ψ	1.1	0.00	0.35	1.10	9	0	9	0.91	9	1.10	10
SB16-110	0.850	1.8	4	1.5	0	1.2	0.00	0.45	1.39	29	8	28	0.75	25	1.34	34
SB16-91	0.775	2.3	ப்	1.5	9	1.5	0.10	0.45	1.51	52	-1	34	0.66	34	1.51	51
SB16-89	0.700	2.9	-4	2.4	-2	1.2	0.15	0.40	1.91	52	26	48	0.60	40	1.67	67
SB16-113	0.450	2.3	-4	1.3	6	1.8	0.05	0.40	1.44	60	-10	31	0.66	34	1.51	51
SB16-84	0.250	2.7	1	1.8	ω	1.5	0.00	0.20	1.69	59	6	41	0.61	39	1.64	64
SR16_83	0.175	2.9	-2	2.2	0	1.3	0.00	0.35	1.85	56	19	46	0.59	41	1.70	70

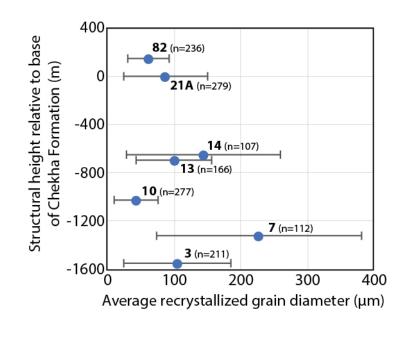
Corrected	Uncorrected	Uncorrected	Uncorrected	Uncorrected	Corrected	Corrected	Corrected	Corrected	Corrected
transport-	transport-	transport-	transport-	transport-	transport-	transport-	transport-	transport-	transport-
parallel	normal	normal	parallel	parallel	parallel	parallel	parallel	normal	normal
lengthening (%)	stretch	shortening (%)	stretch	lengthening (%)	lengthening (%)	lengthening (%)	lengthening (%)	shortening (%)	shortening (%)
(low Wm)	(high Wm)	(high Wm)	(high Wm)	(high Wm)	(high Wm)	(middle of range)	(error range)	(middle of range)	(error range)
4	0.96	4	1.04	4	2	3.0	1.0	6.3	2.4
2	1.02	-2	0.98	-2	0	1.0	1.0	1.3	3.4
8	0.88	12	1.14	14	л	6.5	1.5	13.9	1.6
2	1.35	-35	0.74	-26	0	1.0	1.0	1.3	1.3
0	1.77	-77	0.56	-44	0	0.0	0.0	0.2	0.2
0	1.32	-32	0.76	-24	0	0.0	0.0	0.0	0.0
2	1.23	-23	0.81	-19	0	1.0	1.0	1.0	1.0
2	1.02	-2	0.98	-2	0	1.0	1.0	1.3	3.4
18	0.82	18	1.22	22	14	16.0	2.0	19.3	1.6
25	0.70	30	1.43	43	24	24.5	0.5	30.5	0.5
18	0.75	25	1.33	33	15	16.5	1.5	26.8	2.0
22	0.81	19	1.23	23	10	16.0	6.0	23.1	4.3
55	0.76	24	1.32	32	39	47.0	8.0	28.3	4.2
17	0.93	7	1.07	7	З	10.0	7.0	12.5	5.9
38	0.69	31	1.45	45	30	34.0	4.0	33.2	2.2
18	0.83	17	1.20	20	10	14.0	4.0	20.0	3.3
24	0.82	18	1.22	22	19	21.5	2.5	19.3	1.6
17	0.88	12	1.13	13	8	12.5	4.5	15.0	3.3
10	0.98	2	1.02	2	2	6.0	4.0	5.3	3.4
23	0.86	14	1.16	16	8	15.5	7.5	19.7	5.8
54	0.77	23	1.30	30	32	43.0	11.0	28.3	5.3
34	0.67	33	1.50	50	22	28.0	6.0	36.8	3.5
70	0.74	26	1.34	34	52	61.0	9.0	29.8	4.2
56	0.63	37	1.60	60	51	53.5	2.5	38.2	0.9
43	0.65	35	1.55	55	30	36.5	6.5	38.3	3.0
ō	0.00		1.00	0	1	000		0000	

- **Figure DR6:** Ternary plot showing point (P), girdle (G), and random (R) values for quartz
- 280 petrofabric samples from the Lingshi transect. Samples were plotted using methods described in
- Vollmer (1990) and are shown with intensity contours defined by Lisle (1985). See Figure 9D in
- the text for a graph of cylindricity (B) values relative to structural height.



**Figure DR7:** Graph of average recrystallized quartz grain diameter versus structural height for the seven samples on which quartz petrofabric data were collected. Error is shown at the  $1\sigma$ level, and 'n' represents the number of grains measured. Numbers in bold indicate sample numbers. Grain sizes were measured by tracing the outlines of >100 adjacent grains in Adobe Illustrator, and then using the 'ellipse fit' function in ImageJ (Schneider et al., 2012). The long and short axes of each ellipse were then converted into the diameter of a circle with an

290 equivalent area.



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