## DATA REPOSITORY

### U/Pb Analytical Procedures

U-Pb TIMS analytical methods utilized in this study are outlined in Parrish et al. (1987). Heavy mineral concentrates were prepared using standard crushing, grinding, Wilfley$^{TM}$ table, and heavy liquid techniques. Mineral separates were sorted by magnetic susceptibility using a Frantz$^{TM}$ isodynamic separator. Single and multigrain zircon fractions analyzed were very strongly air abraded following the method of Krogh (1982). Treatment of analytical errors follows Roddick (1987) with errors on the ages reported at the 2$\sigma$ level (Table 2). U-Pb TIMS concordia diagrams are presented in Fig. 7.

SHRIMP II analyses were conducted at the Geological Survey of Canada (GSC) using analytical procedures described by Stern (1997), with standards and U-Pb calibration methods following Stern and Amelin (2003). Zircons from the samples were cast in 2.5 cm diameter epoxy mounts (GSC mount #284 for samples VLA02178 (z7518) and VL02294 (z7522) and GSC mount #254 for sample RAX01-908 (z7097)) along with fragments of the GSC laboratory standard zircon (z6266, with $^{206}Pb/^{238}U$ age = 559 Ma). The mid-sections of the zircons were exposed using 9, 6, and 1 μm diamond compound, and the internal features of the zircons were characterized with backscatter electrons (BSE) utilizing a Cambridge Instruments scanning electron microscope (SEM). Mount surfaces were evaporatively coated with 10 nm of high purity Au. Analyses were conducted using an $^{16}O^-$ primary beam, projected onto the zircons at 10 kV. The sputtered area used for analysis was ca. 25 μm in diameter with a beam current of ca. 6 nA for z7518 and z7522 and ca. 13 nA for z7097. The count rates of ten isotopes of $Zr^+$, $U^+$, $Th^+$, and $Pb^+$ in zircon were sequentially measured over 6 scans with a single electron multiplier and a pulse counting system with dead time of 35 ns. Off-line data processing was accomplished using customized in-house software. The 1$\sigma$ external errors of $^{206}Pb/^{238}U$ ratios reported in Table 1 incorporate a $\pm$1.0 % error in calibrating the standard zircon (see Stern and Amelin, 2003). No fractionation correction was applied to the Pb-isotope data;

common Pb correction utilized the measured $^{204}Pb/^{206}Pb$ and compositions modeled after Cumming and Richards (1975). The $^{206}Pb/^{238}U$ ages for the analyses have been corrected for common Pb using both the 204- and 207-methods (Stern, 1997), but there is generally no significant difference in the results (Table 2). Isoplot v. 2.49 (Ludwig, 2001) was used to generate concordia plots and calculate weighted means. The data are plotted in concordia diagrams with errors at the $2\sigma$ level (Fig. 7). A Concordia age (Ludwig, 1998) is calculated for some of the samples presented in this paper. A Concordia age incorporates errors on the decay constants and includes both an evaluation of concordance and an evaluation of equivalence of the data (how well the data fit the assumption that they are repeated measurements of the same point). The calculated Concordia ages and errors quoted in the text are at 2 with decay constant errors included.

**Sm/Nd Analytical Procedures**

Samples VL01A057, RAX01047, RAX01049, RAX01051, and RAX01059 were analyzed at Geospec (Edmonton Canada). The isotopic composition of Nd was determined in multi-dynamic mode by Thermal Ionization Mass Spectrometry (TIMS). The $^{143}Nd/^{144}Nd$ ratio of samples, normalized for variable mass fractionation, is presented relative to a value of 0.512107 for the Geological Survey of Japan Nd isotopic standard JNdi-1 (Tanaka et al., 2000), which is equivalent to a value of 0.511850 for the La Jolla Nd isotopic standard. Sm isotopic abundances were measured in static mode by TIMS and were normalized for variable mass fractionation. For Nd, the long-term average value for JNdi-1 is 0.512110 ± 0.000012 (1sd), equivalent to a value of 0.511853 for the La Jolla Nd isotopic standard, and within the generally accepted window of La Jolla values (0.511850 ± 0.000010). For Sm, the long-term average value for $^{149}Sm / ^{154}Sm$ determined from a Sm standard solution was 0.60759 ± 0.00009 (1sd), identical within quoted uncertainty to the value determined by Wasserburg et al. (1981) of 0.60750 ± 0.00002.

Samples VL01A097a, VL01A097a, VL01A360, VL02A283, VL02A295 were analyzed at Ottawa-Carleton Geoscience Centre Radiogenic Isotope Research Laboratory (Ottawa, Canada) using a Finnigan MAT261 multicollector mass spectrometer equipped with an electron multiplier. Samples were spiked with a mixed $^{148}Nd$-$^{149}Sm$ spike prior to dissolution. Concentrations were precise to + 1%, but $^{147}Sm/^{144}Nd$ ratios were reproducible to 0.5%. Samples were loaded with 0.25N HCl on one side of a Re double filament, and run at temperatures of 1780-1820°C. Isotope ratios were normalized to $^{146}Nd/^{144}Nd = 0.72190$. Analyses of the USGS standard BCR-1 yield Nd = 29.02 ppm, Sm = 6.68 ppm, and $^{143}Nd/^{144}Nd = 0.512668$ +/- 20 (n=4). 32 runs of the La Jolla standard average $^{143}Nd/^{144}Nd = 0.511875$ +/- 18 (Sept. 1992-Sept. 1994).

**Geochemistry Analytical Procedures**

Multiple laboratories, listed in Table DR1, were employed for analysis of samples. Detailed information on sample preparation and analytical procedures is available in Rogers (2004). Detection limits for all laboratories are listed in Table DR1. McGill University Geochemical Laboratories (Montreal, Canada) were utilized for XRF determination of major and select trace elements on glass pellets using PHILIPS PW2440 4kW automated XRF spectrometer, with accuracy within 1%. Ontario Geological Survey Laboratories (Sudbury, Canada) determined major and select trace elements on the Rigaku RIX-3000 WD-XRF; trace elements were analyzed on the Perkin-Elmer ELAN 5000 ICP-MS. Precision and accuracy are described in Richardson et al. (1996). Geological Survey of Canada Analytical Chemistry Laboratory (Ottawa, Canada) was utilized for both XRF (major elements) and ICP-MS (trace elements). The precision for trace elements is generally better than 10%. X-Ray Laboratories (XRAL, Toronto, Canada) determined major elements in duplicate on fused glass discs. Pressed powder pellets were utilized for select trace elements. Analysis of trace elements at Memorial University of Newfoundland (St. John's, Canada) followed the methods and had accuracy and precision outlined in Jenner et al. (1990).

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Table DR1: Geochemistry of peri-Laurentian arc - back-arc complexes in central Newfoundland

| Sample | RAX00 705 | RAX02 169 | VL01 076 | VL01 079 | VL01A 071 | VL01A 058 | VL01A 277 | VL01A 207b | VL01A 122a | VL01A 351 | VL01A 352 | VL01A 264 | VL01A 057 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UTMx† | 440769 | 483605 | 442300 | 443650 | 449441 | 460378 | 461124 | 453940 | 447878 | 467183 | 467119 | 459504 | 460403 |
| UTMy† | 5336018 | 5376892 | 5337361 | 5338411 | 5342789 | 5350044 | 5350959 | 5345097 | 5342647 | 5363419 | 5363458 | 5349121 | 5349812 |
| NTS map | 12A/04 | 12A/11 | 12A/04 | 12A/04 | 12A/04 | 12A/05 | 12A/05 | 12A/05 | 12A/04 | 12A/06 | 12A/06 | 12A/05 | 12A/05 |
| Unit | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ |
| Rock type‡ | pbslt | bslt | diab | gabb | diab | bslt | bslt | bslt | bslt | gabb | diab | bslt | diab |
| Laboratory§ | 1 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 3 | 5 | 5 |
| $SiO_2$ (wt%) | 48.70 | 47.96 | 48.92 | 50.80 | 49.50 | 47.83 | 49.64 | 49.99 | 46.09 | 45.88 | 47.78 | 47.28 | 46.98 |
| $TiO_2$ | 1.22 | 1.57 | 1.08 | 1.46 | 1.30 | 1.37 | 1.40 | 1.27 | 1.35 | 1.42 | 1.11 | 1.71 | 2.00 |
| $Al_2O_3$ | 20.20 | 14.38 | 16.34 | 16.36 | 15.60 | 14.77 | 13.95 | 14.22 | 17.60 | 14.23 | 16.04 | 14.68 | 14.26 |
| $Fe_2O_3$ total | 10.40 | 12.81 | 9.46 | 10.98 | 9.54 | 11.56 | 11.56 | 11.46 | 10.95 | 11.47 | 11.21 | 12.79 | 14.92 |
| MnO | 0.20 | 0.19 | 0.17 | 0.18 | 0.21 | 0.27 | 0.18 | 0.24 | 0.18 | 0.18 | 0.23 | 0.22 | 0.23 |
| MgO | 4.54 | 7.49 | 7.50 | 5.13 | 7.04 | 8.22 | 7.01 | 8.61 | 8.54 | 8.09 | 8.19 | 7.70 | 8.83 |
| CaO | 3.99 | 10.76 | 12.34 | 6.71 | 10.64 | 9.84 | 12.10 | 7.59 | 9.05 | 13.08 | 10.23 | 9.79 | 6.24 |
| $Na_2O$ | 4.01 | 2.95 | 2.44 | 6.08 | 4.05 | 3.73 | 2.59 | 4.73 | 3.18 | 1.72 | 2.98 | 3.60 | 3.74 |
| $K_2O$ | 2.15 | 0.06 | 0.33 | 0.14 | 0.12 | 0.05 | 0.08 | 0.04 | 0.28 | 0.57 | 0.49 | 0.08 | 0.08 |
| $P_2O_5$ | 0.08 | 0.13 | 0.08 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 | 0.10 | 0.12 | 0.10 | 0.15 | 0.14 |
| LOI | 6.71 | 2.43 | 2.48 | 2.66 | 2.57 | 2.97 | 2.24 | 2.94 | 3.82 | 3.00 | 2.09 | 3.05 | 3.90 |
| Total | 99.00 | 100.81 | 101.12 | 100.60 | 100.66 | 100.70 | 100.85 | 101.17 | 101.15 | 99.81 | 100.53 | 101.04 | 101.32 |
| Ba (ppm) | 202 | 15.1 | 53.6 | 78.6 | 57.0 | 12.9 | 25.1 | 25.7 | 57.1 | 43.0 | 33.2 | 26.1 | 40.2 |
| Cr | 397 | 271 | 271 | 265 | 274 | 287 | 213 | 69 | 286 | 226 | 347 | 235 | 130 |
| Cs | 2.3 | 0.18 | 0.66 | 0.37 | 0.13 | 0.86 | 0.44 | 0.38 | 0.29 | 3.4 | 2.8 | 0.96 | 0.20 |
| Hf | 1.60 | 2.70 | 1.80 | 2.49 | 2.39 | 2.62 | 2.41 | 2.00 | 2.19 | 3.00 | 1.70 | 3.11 | 3.40 |
| Nb | 2.40 | 2.14 | 2.52 | 3.28 | 3.48 | 2.83 | 3.11 | 3.40 | 3.74 | 5.40 | 2.98 | 5.32 | 3.44 |
| Ni | 146 | 88 | 97 | 104 | 95 | 102 | 64 | 56 | 110 | 46 | 105 | 90 | 61 |
| Pb | b.d. | 1 | 13.46 | 4.15 | 2.52 | 0.25 | 0.36 | 1.68 | 0.97 | 1.3 | 6.3 | 0.36 | 0.37 |
| Rb | 50.0 | 0.47 | 9.55 | 2.9 | 1.49 | 0.82 | 1.2 | 0.44 | 6.44 | 35.2 | 25.7 | 0.91 | 1.4 |
| Sc | 41 | 47.2 | 43.4 | 42.9 | 39.1 | 43.5 | 39.4 | 43.6 | 43.2 | 43 | 52.5 | 42.4 | 48.7 |
| Sr | 143 | 140 | 134 | 209 | 401 | 119 | 184 | 137 | 166 | 196 | 204 | 130 | 90.9 |
| Ta | 0.23 | 0.26 | b.d. | b.d. | b.d. | b.d. | b.d. | b.d. | b.d. | 0.4 | 0.39 | 0.3 | b.d. |
| Th | 0.14 | 0.17 | 0.18 | 0.22 | 0.24 | 0.23 | 0.22 | 0.22 | 0.27 | 0.3 | 0.23 | 0.39 | 0.25 |
| U | 0.11 | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 | 0.08 | b.d. | 0.07 | 0.12 | 0.08 |
| V | 186 | 346 | 251 | 314 | 255 | 294 | 295 | 296 | 300 | 313 | 315 | 345 | 351 |
| Y | 35 | 41 | 24.86 | 31.06 | 29.79 | 34.1 | 32.76 | 29.32 | 30.75 | 32.2 | 26.6 | 39.84 | 47.58 |
| Zr | 52 | 91.5 | 58.67 | 81.06 | 84.69 | 87.48 | 82.35 | 69.74 | 77.32 | 74.6 | 65.7 | 112.97 | 119.59 |
| La | 3.80 | 3.02 | 2.70 | 3.21 | 3.58 | 2.96 | 3.14 | 2.92 | 3.42 | 4.90 | 2.90 | 4.97 | 3.79 |
| Ce | 9.60 | 9.60 | 7.40 | 9.55 | 10.46 | 9.20 | 9.51 | 8.46 | 9.79 | 12.70 | 7.97 | 13.96 | 11.83 |
| Pr | 1.90 | 1.81 | 1.31 | 1.64 | 1.82 | 1.69 | 1.70 | 1.49 | 1.66 | 2.04 | 1.41 | 2.38 | 2.19 |
| Nd | 10.00 | 10.36 | 7.32 | 9.03 | 9.64 | 9.20 | 8.89 | 7.93 | 8.63 | 9.80 | 7.59 | 12.18 | 12.07 |
| Sm | 3.40 | 3.72 | 2.52 | 3.14 | 3.32 | 3.48 | 3.26 | 2.89 | 2.96 | 3.40 | 2.58 | 4.13 | 4.60 |
| Eu | 1.30 | 1.44 | 1.10 | 1.32 | 1.42 | 1.21 | 1.28 | 1.15 | 1.24 | 1.10 | 0.99 | 1.49 | 1.52 |
| Gd | 4.90 | 5.95 | 3.84 | 4.68 | 4.50 | 4.90 | 4.55 | 3.96 | 4.24 | 4.48 | 3.71 | 5.64 | 6.51 |
| Tb | 0.94 | 1.04 | 0.66 | 0.82 | 0.77 | 0.88 | 0.86 | 0.74 | 0.82 | 0.75 | 0.67 | 1.04 | 1.17 |
| Dy | 5.70 | 6.89 | 4.36 | 5.55 | 5.00 | 5.95 | 5.66 | 4.84 | 5.22 | 5.37 | 4.51 | 6.77 | 7.79 |
| Ho | 1.20 | 1.54 | 0.99 | 1.22 | 1.10 | 1.29 | 1.29 | 1.10 | 1.19 | 1.09 | 0.97 | 1.56 | 1.73 |
| Er | 3.10 | 4.47 | 2.88 | 3.52 | 3.14 | 3.62 | 3.60 | 3.05 | 3.36 | 3.08 | 2.83 | 4.35 | 5.12 |
| Tm | 0.50 | 0.66 | 0.43 | 0.52 | 0.45 | 0.57 | 0.55 | 0.48 | 0.52 | 0.56 | 0.41 | 0.67 | 0.74 |
| Yb | 3.20 | 4.11 | 2.77 | 3.33 | 2.92 | 3.58 | 3.50 | 2.93 | 3.20 | 3.26 | 2.72 | 4.16 | 4.75 |
| Lu | 0.44 | 0.66 | 0.42 | 0.50 | 0.44 | 0.56 | 0.55 | 0.47 | 0.52 | 0.52 | 0.42 | 0.66 | 0.73 |
| Mg#†† | 48.8 | 56.0 | 63.3 | 50.5 | 61.7 | 60.8 | 56.9 | 62.1 | 63.0 | 60.6 | 61.4 | 56.8 | 56.3 |
| $(La/Th)n^{‡‡}$ | 1.3 | 0.9 | 0.7 | 0.7 | 0.7 | 0.6 | 0.7 | 0.6 | 0.6 | 0.8 | 0.6 | 0.6 | 0.7 |
| $(La/Nb)n^{‡‡}$ | 1.5 | 1.3 | 1.0 | 0.9 | 1.0 | 1.0 | 0.9 | 0.8 | 0.9 | 0.8 | 0.9 | 0.9 | 1.0 |
| $(Zr/Sm)n^{‡‡}$ | 0.54 | 0.87 | 0.83 | 0.92 | 0.91 | 0.89 | 0.90 | 0.86 | 0.93 | 0.78 | 0.91 | 0.97 | 0.92 |
| $(La/Yb)n^{‡‡}$ | 1.4 | 0.9 | 1.2 | 1.2 | 1.5 | 1.0 | 1.1 | 1.2 | 1.3 | 1.8 | 1.3 | 1.5 | 1.0 |

† UTM zone 21 (NAD83); ‡ (p)bslt-(pillowed)basalt; (s)diab-(sheeted)diabase; gabb-gabbro; (f,l,m)tuff-(felsic,intermediate,mafic)tuff; gran -granodiorite; rhyo-rhyolite; fdyke-felsic dyke; (p)and-(pillowed)andesite; § Laboratory 1:GSC(2003); 2:OGS(2003); 3:McGill; OGS (2002); 4:McGill; OGS (2001); 5:OGS (2001) 6:Acme (2001); 7:XRAL Toronto; MUN (1992); 1 to 6: Rogers (2004); 7: Jenner et al., (1990); # b.d. - below detection; n.a. not applicable:†† Mg# = $Mg^{2+}/(Mg^{2}++Fe^{2+})$, $Fe^{3+}/Fe^{2+}$=0.1; ‡‡ N-MORB normalized value (Sun and MacDonough, 1989)

Table DR1 (cont'd)

| VL01A 271 | VL01A 265 | VL01J 164b | VL02A 211 | VL02A 005 | VL02A 292 | VL02A 232b | VL02A 171 | VL02A 276 | VL02A 237 | VL02A 222b | VL02A 285 | VL02A 214 | VL02A 275a | VL02A 298b |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 459998 | 459501 | 467178 | 483594 | 439860 | 482796 | 475530 | 475002 | 483838 | 471437 | 477731 | 480662 | 483699 | 484076 | 484922 |
| 5349786 | 5349209 | 5361549 | 5376878 | 5335742 | 5376260 | 5370224 | 5369441 | 5376862 | 5367487 | 5371616 | 5373460 | 5376546 | 5377009 | 5378280 |
| 12A/05 | 12A/05 | 12A/06 | 12A/11 | 12A/04 | 12A/11 | 12A/06 | 12A/06 | 12A/11 | 12A/06 | 12A/06 | 12A/11 | 12A/11 | 12A/11 | 12A/11 |
| $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ | $SB_1$ |
| bslt | bslt | diab | bslt | diab | bslt | diab | gabb | bslt | bslt | gabb | bslt | bslt | diab | bslt |
| 1 | 1 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 47.80 | 47.60 | 47.25 | 48.13 | 47.57 | 48.34 | 49.45 | 49.61 | 46.54 | 49.04 | 50.16 | 49.80 | 48.70 | 48.12 | 48.13 |
| 1.73 | 2.00 | 1.39 | 0.98 | 1.26 | 1.39 | 1.51 | 1.25 | 1.27 | 1.41 | 1.58 | 1.58 | 1.51 | 1.48 | 1.68 |
| 13.70 | 13.90 | 15.30 | 15.63 | 15.26 | 14.62 | 16.09 | 14.92 | 15.70 | 13.83 | 13.46 | 13.84 | 14.22 | 14.16 | 14.26 |
| 13.30 | 14.00 | 11.25 | 10.11 | 11.23 | 11.54 | 11.24 | 10.71 | 10.94 | 11.91 | 12.70 | 12.66 | 12.75 | 12.43 | 13.53 |
| 0.20 | 0.20 | 0.21 | 0.19 | 0.16 | 0.18 | 0.20 | 0.21 | 0.17 | 0.25 | 0.20 | 0.20 | 0.21 | 0.20 | 0.22 |
| 7.63 | 7.85 | 7.95 | 8.90 | 8.68 | 7.43 | 6.44 | 8.39 | 7.30 | 7.33 | 7.30 | 7.41 | 7.56 | 7.89 | 7.73 |
| 8.90 | 7.66 | 12.16 | 11.23 | 10.15 | 11.35 | 9.77 | 10.18 | 11.69 | 10.48 | 10.22 | 9.29 | 10.13 | 10.69 | 8.01 |
| 3.34 | 3.52 | 2.39 | 2.80 | 3.03 | 3.06 | 4.19 | 3.35 | 3.06 | 3.99 | 3.02 | 3.62 | 3.36 | 3.00 | 3.44 |
| 0.10 | 0.07 | 0.07 | 0.12 | 0.10 | 0.14 | 0.11 | 0.10 | 0.06 | 0.13 | 0.11 | 0.21 | 0.06 | 0.09 | 0.13 |
| 0.13 | 0.15 | 0.11 | 0.09 | 0.11 | 0.12 | 0.15 | 0.11 | 0.12 | 0.12 | 0.14 | 0.13 | 0.12 | 0.14 | 0.14 |
| 6.01 | 6.96 | 2.15 | 2.37 | 3.05 | 2.23 | 1.73 | 1.42 | 3.58 | 1.81 | 1.94 | 1.79 | 2.15 | 2.29 | 3.36 |
| 99.30 | 99.90 | 100.22 | 100.63 | 100.67 | 100.48 | 100.96 | 100.33 | 100.52 | 100.33 | 100.90 | 100.59 | 100.83 | 100.58 | 100.69 |
| 31.0 | 44.0 | 11.5 | 24.8 | 15.4 | 10.4 | 16.7 | 18.4 | 9.8 | 31.8 | 19.1 | 15.3 | 18.4 | 13.1 | 27.7 |
| 150 | 160 | 278 | 399 | 309 | 309 | 309 | 420 | 357 | 69 | 188 | 178 | 213 | 364 | 209 |
| 0.45 | 0.32 | 0.44 | 0.20 | 0.78 | 0.18 | 0.11 | 0.22 | 0.14 | 0.11 | 0.19 | 0.50 | 0.14 | 0.13 | 0.15 |
| 2.60 | 3.20 | 2.55 | 1.60 | 2.00 | 2.30 | 2.60 | 2.20 | 2.20 | 2.30 | 2.60 | 2.70 | 2.50 | 2.40 | 2.70 |
| 3.30 | 4.10 | 3.28 | 2.42 | 2.22 | 2.65 | 4.41 | 2.62 | 4.72 | 3.55 | 3.19 | 2.43 | 2.34 | 4.94 | 2.49 |
| 71 | 73 | 94 | 169 | 112 | 94 | 118 | 124 | 122 | 51 | 76 | 74 | 78 | 107 | 77 |
| 0.5 | 0.5 | 0.83 | 0.7 | 6.4 | 1.5 | 1.3 | 0.5 | 1.4 | 0.8 | 1.6 | 2 | 1.3 | 1 | 0.8 |
| 1.3 | 0.72 | 1.44 | 1.12 | 1.68 | 0.77 | 0.5 | 1.38 | 0.5 | 0.44 | 1.05 | 4.39 | 0.23 | 0.18 | 1.46 |
| 44 | 44 | 43.1 | 39.6 | 43.7 | 43.5 | 42.5 | 47.8 | 43.9 | 46.2 | 43.9 | 48.9 | 49.6 | 44.2 | 45.5 |
| 90 | 157 | 173 | 167 | 104 | 131 | 151 | 163 | 220 | 269 | 183 | 177 | 200 | 217 | 129 |
| 0.21 | 0.25 | b.d. | 0.27 | 0.18 | 0.3 | 0.4 | 0.28 | 0.45 | 0.37 | 0.33 | 0.31 | 0.3 | 0.41 | 0.31 |
| 0.19 | 0.25 | 0.22 | 0.19 | 0.18 | 0.18 | 0.31 | 0.18 | 0.33 | 0.26 | 0.24 | 0.2 | 0.19 | 0.34 | 0.18 |
| 0.07 | 0.08 | 0.07 | 0.05 | 0.05 | 0.07 | 0.26 | 0.06 | 0.25 | 0.09 | 0.09 | 0.07 | 0.07 | 0.11 | 0.06 |
| 357 | 385 | 293 | 254 | 294 | 304 | 307 | 315 | 315 | 315 | 334 | 337 | 343 | 344 | 356 |
| 43 | 50 | 32.05 | 22.32 | 29.79 | 34.8 | 34.79 | 30.38 | 31.49 | 33.52 | 38.31 | 38.42 | 37.95 | 38.08 | 41.01 |
| 91 | 105 | 85.81 | 56.2 | 76.2 | 77.2 | 93.2 | 76.1 | 76.4 | 86 | 97.5 | 91 | 91 | 92 | 95.2 |
| 3.60 | 4.50 | 3.35 | 2.48 | 2.74 | 2.79 | 4.46 | 3.03 | 4.16 | 3.36 | 3.56 | 3.12 | 2.92 | 4.67 | 3.14 |
| 11.00 | 14.00 | 10.02 | 7.23 | 8.19 | 8.52 | 12.50 | 9.13 | 10.95 | 10.22 | 10.75 | 9.70 | 9.38 | 12.37 | 10.04 |
| 1.90 | 2.40 | 1.74 | 1.19 | 1.44 | 1.55 | 2.08 | 1.55 | 1.77 | 1.77 | 1.92 | 1.85 | 1.67 | 1.96 | 1.88 |
| 11.00 | 14.00 | 10.03 | 6.58 | 8.18 | 8.78 | 10.81 | 8.95 | 9.58 | 9.82 | 10.61 | 10.25 | 9.80 | 11.33 | 10.50 |
| 3.70 | 4.60 | 3.51 | 2.37 | 2.80 | 3.30 | 3.49 | 3.12 | 3.19 | 3.35 | 3.81 | 3.74 | 3.48 | 3.56 | 3.80 |
| 1.20 | 1.40 | 1.39 | 0.95 | 0.98 | 1.23 | 1.46 | 1.15 | 1.21 | 1.15 | 1.40 | 1.26 | 1.23 | 1.31 | 1.40 |
| 5.60 | 6.70 | 4.66 | 3.35 | 4.30 | 4.77 | 5.13 | 4.38 | 4.47 | 4.80 | 5.28 | 5.28 | 5.42 | 5.41 | 5.77 |
| 1.10 | 1.20 | 0.85 | 0.58 | 0.76 | 0.93 | 0.96 | 0.83 | 0.85 | 0.83 | 1.00 | 0.95 | 0.99 | 0.92 | 1.10 |
| 6.70 | 7.80 | 5.48 | 3.92 | 4.91 | 6.03 | 5.81 | 5.34 | 5.39 | 5.81 | 6.65 | 6.43 | 6.44 | 6.14 | 6.95 |
| 1.50 | 1.70 | 1.24 | 0.90 | 1.09 | 1.31 | 1.27 | 1.15 | 1.19 | 1.21 | 1.46 | 1.43 | 1.42 | 1.40 | 1.51 |
| 4.00 | 4.70 | 3.58 | 2.57 | 3.23 | 3.74 | 3.86 | 3.29 | 3.39 | 3.84 | 4.35 | 4.24 | 4.39 | 4.26 | 4.64 |
| 0.65 | 0.75 | 0.55 | 0.37 | 0.48 | 0.59 | 0.56 | 0.49 | 0.53 | 0.55 | 0.63 | 0.61 | 0.64 | 0.64 | 0.68 |
| 4.20 | 5.00 | 3.41 | 2.41 | 3.13 | 3.67 | 3.40 | 3.08 | 3.30 | 3.43 | 3.98 | 3.82 | 3.77 | 3.95 | 4.26 |
| 0.69 | 0.77 | 0.51 | 0.37 | 0.49 | 0.55 | 0.52 | 0.49 | 0.49 | 0.52 | 0.64 | 0.61 | 0.59 | 0.62 | 0.64 |
| 55.6 | 55.0 | 60.6 | 65.7 | 62.8 | 58.4 | 55.5 | 63.1 | 59.3 | 57.3 | 55.6 | 56.1 | 56.4 | 58.0 | 55.5 |
| 0.9 | 0.9 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 | 0.9 | 1.1 | 0.8 | 0.9 | 1.0 | 1.2 | 1.2 | 0.9 | 1.2 |
| 0.87 | 0.81 | 0.87 | 0.84 | 0.97 | 0.83 | 0.95 | 0.87 | 0.85 | 0.91 | 0.91 | 0.86 | 0.93 | 0.92 | 0.89 |
| 1.0 | 1.1 | 1.2 | 1.3 | 1.1 | 0.9 | 1.6 | 1.2 | 1.5 | 1.2 | 1.1 | 1.0 | 0.9 | 1.4 | 0.9 |

Table DR1 (cont'd)

| VL02A 297 | VL02A 291 | VL01A 272 | VL01J 107 | VL02A 287 | RAX02 170 | VL01A 59 | VL01J 063a | VL02A 225 | VL02A 223b | VL02A 233a | VL02A 206 | VL02J 404 | VL01A 283a | VL01J 151 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 484863 | 482863 | 459932 | 466735 | 481406 | 483690 | 460416 | 448841 | 477142 | 477578 | 475514 | 484714 | 495564 | 465013 | 474143 |
| 5378393 | 5375733 | 5349869 | 5362789 | 5374122 | 5376649 | 5350068 | 5344158 | 5371257 | 5371723 | 5370286 | 5378095 | 5398809 | 5357399 | 5370148 |
| 12A/11 | 12A/11 | 12A/05 | 12A/06 | 12A/11 | 12A/11 | 12A/05 | 12A/04 | 12A/06 | 12A/06 | 12A/06 | 12A/11 | 12A/11 | 12A/06 | 12A/06 |
| $SB_1$ | $SB_1$ | $SB_2$ | $SB_2$ | $SB_2$ | $SB_3$ | $SB_3$ | $SB_3$ | $SB_3$ | $SB_3$ | $SB_3$ | $SB_3$ | $SB_3$ | OBS | OBS |
| diab | bslt | bslt | diab | sdiab | bslt | diab | diab | gabb | gabb | bslt | diab | bslt | bslt | diab |
| 3 | 3 | 6 | 5 | 3 | 4 | 1 | 5 | 3 | 3 | 3 | 3 | 3 | 5 | 5 |
| 46.56 | 46.83 | 48.14 | 48.26 | 47.17 | 48.49 | 45.80 | 47.45 | 48.18 | 46.96 | 48.09 | 47.90 | 47.04 | 49.33 | 49.68 |
| 1.70 | 1.91 | 1.33 | 1.72 | 1.59 | 1.00 | 0.54 | 0.75 | 0.38 | 0.44 | 1.01 | 1.30 | 0.72 | 1.51 | 1.30 |
| 14.53 | 14.47 | 15.07 | 14.53 | 14.29 | 15.04 | 15.00 | 16.83 | 16.58 | 14.03 | 15.95 | 14.80 | 17.06 | 14.52 | 15.54 |
| 13.65 | 14.76 | 10.93 | 12.01 | 12.67 | 11.94 | 10.10 | 9.80 | 7.67 | 10.64 | 10.33 | 11.44 | 9.25 | 11.77 | 12.02 |
| 0.21 | 0.25 | 0.18 | 0.22 | 0.19 | 0.16 | 0.16 | 0.16 | 0.14 | 0.19 | 0.15 | 0.19 | 0.18 | 0.20 | 0.19 |
| 8.76 | 7.62 | 7.07 | 7.67 | 7.63 | 8.07 | 11.10 | 8.99 | 10.46 | 11.85 | 6.05 | 7.93 | 9.20 | 6.16 | 8.24 |
| 8.55 | 9.36 | 12.04 | 11.65 | 12.57 | 8.80 | 10.50 | 12.90 | 12.28 | 12.37 | 10.87 | 11.44 | 11.65 | 12.23 | 8.62 |
| 2.96 | 3.10 | 2.32 | 2.46 | 2.03 | 2.58 | 1.66 | 1.80 | 2.13 | 1.36 | 3.62 | 2.63 | 1.82 | 3.05 | 4.28 |
| 0.08 | 0.04 | 0.06 | 0.34 | 0.08 | 1.04 | 0.49 | 0.02 | 0.24 | 0.11 | 0.12 | 0.10 | 0.97 | 0.05 | 0.10 |
| 0.14 | 0.16 | 0.16 | 0.11 | 0.13 | 0.06 | 0.01 | 0.04 | 0.02 | 0.03 | 0.07 | 0.11 | 0.04 | 0.17 | 0.14 |
| 3.24 | 2.63 | 2.50 | 1.28 | 2.14 | 3.43 | 9.25 | 1.42 | 2.42 | 2.59 | 3.92 | 2.43 | 2.19 | 1.59 | 0.58 |
| 100.45 | 101.19 | 99.86 | 100.26 | 100.56 | 100.70 | 100.00 | 100.16 | 100.59 | 100.64 | 100.26 | 100.34 | 100.24 | 100.57 | 100.70 |
| 25.6 | 10.7 | 23.0 | 21.7 | 11.9 | 45.7 | 73.0 | b.d. | 14.0 | 9.4 | 12.4 | 19.2 | 156 | 10.0 | 6.2 |
| 211 | 152 | 267 | 216 | 284 | 420 | 194 | 434 | 410 | 284 | 368 | 360 | 524 | 174 | 253 |
| 0.19 | 0.12 | 0.30 | 2.1 | 0.17 | 0.38 | 0.62 | 0.23 | 0.63 | 0.19 | 0.13 | 0.20 | 3.8 | 0.03 | 0.09 |
| 2.90 | 3.40 | 2.40 | 1.46 | 1.80 | 1.40 | 0.37 | 0.99 | 0.40 | 0.70 | 1.60 | 2.10 | 0.90 | 2.44 | 2.52 |
| 2.44 | 3.23 | 2.70 | 4.02 | 1.89 | 0.97 | 0.33 | 0.47 | 0.20 | 0.36 | 0.83 | 1.70 | 0.18 | 4.81 | 1.79 |
| 73 | 72 | 39 | 82 | 89 | 99 | 79 | 157 | 167 | 161 | 83 | 95 | 211 | 87 | 91 |
| b.d. | b.d. | 0.7 | 3.15 | 1.3 | b.d. | 0.5 | b.d. | 1.1 | 1.1 | 1 | 0.5 | 6.3 | 2.79 | 3.49 |
| 1.25 | 0.24 | 0.25 | 23.2 | 0.52 | 20.4 | 14.0 | 0.28 | 8.82 | 1.09 | 1.59 | 0.8 | 42.8 | b.d. | 0.75 |
| 49.1 | 52.5 | 35 | 46.8 | 43.8 | 48.3 | 53 | 37.1 | 40.8 | 48.8 | 41.6 | 52.5 | 32.8 | 37.7 | 40.5 |
| 73.9 | 81.4 | 126 | 174 | 119 | 135 | 82 | 68.3 | 123 | 84.5 | 172 | 147 | 72.4 | 291 | 92.3 |
| 0.28 | 0.33 | 0.2 | b.d. | 0.27 | 0.19 | 0.025 | b.d. | 0.14 | 0.14 | 0.19 | 0.23 | b.d. | b.d. | b.d. |
| 0.2 | 0.23 | b.d. | b.d. | b.d. | 0.08 | 0.03 | b.d. | b.d. | b.d. | 0.07 | 0.13 | b.d. | 0.79 | 1.08 |
| 0.06 | 0.10 | b.d. | 0.02 | 0.01 | 0.08 | b.d. | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | b.d. | 0.3 | 0.32 |
| 361 | 404 | 272 | 351 | 330 | 289 | 320 | 219 | 166 | 202 | 263 | 315 | 209 | 331 | 313 |
| 42.96 | 47.67 | 29.3 | 29.7 | 34 | 23.74 | 7.3 | 20.23 | 10.66 | 16.08 | 25.71 | 32.56 | 20.07 | 30.78 | 33.54 |
| 100.2 | 114.5 | 73.5 | 43.67 | 49.6 | 45.1 | 11 | 28.89 | 9.8 | 20.2 | 53.4 | 81.9 | 22.3 | 89.66 | 94.29 |
| 3.32 | 4.03 | 4.60 | 2.64 | 2.27 | 1.28 | 0.30 | 0.77 | 0.38 | 0.72 | 1.29 | 2.47 | 0.33 | 7.86 | 6.32 |
| 10.49 | 12.23 | 11.80 | 7.93 | 7.25 | 4.13 | 1.00 | 2.63 | 1.33 | 2.42 | 4.83 | 8.12 | 1.49 | 18.88 | 16.29 |
| 1.94 | 2.25 | 1.89 | 1.41 | 1.45 | 0.77 | 0.22 | 0.54 | 0.30 | 0.52 | 0.99 | 1.55 | 0.38 | 2.81 | 2.49 |
| 10.98 | 12.72 | 10.90 | 8.20 | 8.68 | 4.66 | 1.20 | 3.40 | 1.94 | 3.12 | 6.20 | 8.77 | 2.92 | 13.22 | 12.32 |
| 4.08 | 4.71 | 3.30 | 3.14 | 3.27 | 1.94 | 0.55 | 1.61 | 0.84 | 1.19 | 2.42 | 3.33 | 1.54 | 3.84 | 3.73 |
| 1.43 | 1.45 | 1.13 | 1.38 | 1.36 | 0.85 | 0.22 | 0.72 | 0.47 | 0.58 | 0.97 | 1.23 | 0.60 | 1.63 | 1.26 |
| 6.17 | 6.58 | 4.27 | 4.53 | 4.99 | 3.14 | 0.98 | 2.53 | 1.40 | 2.04 | 3.60 | 4.38 | 2.60 | 4.82 | 4.81 |
| 1.10 | 1.22 | 0.81 | 0.80 | 0.93 | 0.58 | 0.19 | 0.47 | 0.30 | 0.42 | 0.68 | 0.80 | 0.50 | 0.86 | 0.84 |
| 7.32 | 8.22 | 5.08 | 5.17 | 5.89 | 3.80 | 1.30 | 3.28 | 1.94 | 2.60 | 4.25 | 5.52 | 3.40 | 5.45 | 5.53 |
| 1.61 | 1.79 | 1.03 | 1.10 | 1.29 | 0.90 | 0.28 | 0.76 | 0.41 | 0.58 | 0.94 | 1.18 | 0.76 | 1.21 | 1.22 |
| 4.78 | 5.36 | 2.75 | 3.15 | 3.79 | 2.64 | 0.82 | 2.17 | 1.29 | 1.88 | 2.67 | 3.45 | 2.25 | 3.27 | 3.54 |
| 0.71 | 0.80 | 0.49 | 0.46 | 0.55 | 0.42 | 0.12 | 0.33 | 0.17 | 0.25 | 0.40 | 0.53 | 0.33 | 0.50 | 0.53 |
| 4.34 | 4.94 | 2.80 | 2.76 | 3.60 | 2.52 | 0.80 | 2.12 | 1.15 | 1.70 | 2.64 | 3.01 | 2.00 | 3.10 | 3.44 |
| 0.68 | 0.78 | 0.53 | 0.41 | 0.56 | 0.42 | 0.12 | 0.31 | 0.18 | 0.27 | 0.39 | 0.50 | 0.33 | 0.48 | 0.54 |
| 58.3 | 52.9 | 58.5 | 58.2 | 56.8 | 59.6 | 70.5 | 66.7 | 74.8 | 70.8 | 56.1 | 60.2 | 68.4 | 53.3 | 59.9 |
| 0.8 | 0.8 | n.a.[#] | n.a. | n.a. | 0.8 | 0.5 | n.a. | n.a. | n.a. | 0.9 | 0.9 | n.a. | 0.5 | 0.3 |
| 1.3 | 1.2 | 1.6 | 0.6 | 1.1 | 1.2 | 0.8 | 1.5 | 1.8 | 1.9 | 1.4 | 1.4 | 1.7 | 1.5 | 3.3 |
| 0.87 | 0.86 | 0.79 | 0.49 | 0.54 | 0.83 | 0.71 | 0.64 | 0.41 | 0.60 | 0.78 | 0.87 | 0.51 | 0.83 | 0.90 |
| 0.9 | 1.0 | 2.0 | 1.2 | 0.8 | 0.6 | 0.5 | 0.4 | 0.4 | 0.5 | 0.6 | 1.0 | 0.2 | 3.1 | 2.2 |

Table DR1 (cont'd)

| VL01J 208a | VL01J 208b | VL02A 277 | VL02A 255 | VL02A 192a | VL02J 402 | VL02J 403 | WXNF 173 | VL01A 097b | VL01 050 | VL01 083 | VL01 082 | VL01A 099 | VL01A 098b | VL01A 097a |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 495317 | 495317 | 483312 | 487807 | 474119 | 494496 | 494805 | 494350 | 436177 | 436019 | 435770 | 440850 | 435221 | 435139 | 436177 |
| 5397037 | 5397037 | 5376757 | 5383738 | 5369669 | 5398217 | 5398458 | 5396260 | 5332496 | 5333068 | 5332411 | 5337211 | 5331405 | 5331286 | 5332496 |
| 12A/11 | 12A/11 | 12A/11 | 12A/11 | 12A/06 | 12A/11 | 12A/11 | 12A/11 | 12A/04 | 12A/04 | 12A/04 | 12A/04 | 12A/04 | 12A/04 | 12A/04 |
| OBS | OBS | OBS | OBS | OBS | OBS | OBS | OBS | $ML_1$ | $ML_2$ | $ML_2$ | $ML_2$ | $ML_2$ | $ML_2$ | $ML_2$ |
| bslt | bslt | sdiab | diab | diab | bslt | bslt | bslt | ftuff | pbslt | pbslt | pbslt | pbslt | pbslt | bslt |
| 5 | 5 | 3 | 3 | 3 | 3 | 3 | 7 | 5 | 5 | 5 | 5 | 3 | 3 | 3 |
| 48.24 | 47.79 | 49.01 | 49.09 | 47.11 | 47.59 | 47.52 | 48.2 | 72.76 | 54.95 | 50.27 | 47.12 | 49.57 | 51.95 | 52.78 |
| 3.07 | 3.10 | 2.36 | 1.50 | 2.16 | 2.42 | 2.93 | 1.59 | 0.11 | 0.65 | 0.61 | 0.55 | 0.63 | 0.70 | 0.71 |
| 13.48 | 12.91 | 14.70 | 15.04 | 15.34 | 14.08 | 13.05 | 14.65 | 11.83 | 14.97 | 16.94 | 15.34 | 14.71 | 14.66 | 16.48 |
| 16.41 | 18.45 | 12.82 | 13.16 | 14.48 | 13.62 | 16.11 | 12.05 | 4.25 | 9.83 | 9.97 | 9.80 | 9.83 | 9.72 | 11.77 |
| 0.23 | 0.22 | 0.22 | 0.17 | 0.18 | 0.28 | 0.30 | 0.21 | 0.05 | 0.12 | 0.16 | 0.20 | 0.16 | 0.20 | 0.20 |
| 5.59 | 4.53 | 5.77 | 6.68 | 4.94 | 7.27 | 5.91 | 6.32 | 1.70 | 5.06 | 7.13 | 7.50 | 5.97 | 5.99 | 4.94 |
| 5.45 | 5.70 | 10.02 | 11.82 | 11.88 | 9.72 | 8.51 | 8.81 | 4.10 | 8.00 | 6.88 | 9.03 | 6.33 | 6.35 | 6.90 |
| 5.31 | 5.46 | 3.51 | 2.41 | 2.95 | 3.60 | 4.36 | 3.15 | 0.43 | 2.92 | 4.98 | 2.53 | 1.15 | 4.44 | 2.37 |
| 0.05 | 0.06 | 0.29 | 0.11 | 0.18 | 0.36 | 0.21 | 0.34 | 2.84 | 0.04 | 0.24 | 1.05 | 2.87 | 0.07 | 1.33 |
| 0.41 | 0.40 | 0.27 | 0.20 | 0.27 | 0.26 | 0.32 | 0.2 | 0.02 | 0.07 | 0.08 | 0.07 | 0.06 | 0.10 | 0.10 |
| 2.48 | 2.14 | 2.01 | 0.47 | 0.40 | 0.98 | 1.32 | 3.1 | 2.56 | 4.11 | 4.07 | 6.98 | 8.89 | 6.27 | 2.73 |
| 100.71 | 100.75 | 101.03 | 100.73 | 99.94 | 100.25 | 100.58 | 98.62 | 100.64 | 100.71 | 101.32 | 100.18 | 100.20 | 100.48 | 100.35 |
| 10.6 | 8.4 | 165 | 31.6 | 16.5 | 61.9 | 21.4 | 113 | 147 | 14.0 | 31.9 | 209 | 207 | 37.4 | 290 |
| 11 | 14 | 114 | 214 | 56 | 200 | 55 | 190 | 3 | 26 | 89 | 56 | 50 | 32 | 37 |
| 0.13 | 0.12 | 0.29 | 0.12 | 0.24 | 0.92 | 0.19 | b.d. | 2.9 | 0.28 | 0.13 | 0.68 | 3.8 | 0.62 | 1.9 |
| 5.19 | 4.60 | 5.00 | 2.20 | 5.00 | 4.50 | 5.10 | 3.01 | 3.74 | 1.04 | 1.05 | 0.87 | 1.10 | 1.30 | 1.20 |
| 7.95 | 7.21 | 6.22 | 5.23 | 2.44 | 4.47 | 7.80 | 6.90 | 3.85 | 0.66 | 0.59 | 0.64 | 0.66 | 0.83 | 0.89 |
| 15 | 16 | 32 | 67 | 35 | 58 | 39 | 43 | b.d. | 22 | 43 | 37 | 30 | 19 | 19 |
| 0.69 | 0.48 | 4.1 | b.d.# | 2 | 4.1 | 4.4 | b.d. | 12.02 | 0.67 | 0.25 | 4.18 | 4.3 | 4.9 | 1.6 |
| 0.21 | b.d. | 3.57 | 0.72 | 1.98 | 5.96 | 2.22 | 5 | 72.9 | 0.73 | 2.44 | 20.7 | 71.2 | 0.68 | 21.3 |
| 42.9 | 43.2 | 44.6 | 44.2 | 43.4 | 45.5 | 38.2 | 33 | 18.9 | 40.2 | 43.8 | 44.6 | 49.6 | 45.1 | 52.5 |
| 32.8 | 35.5 | 254 | 178 | 187 | 240 | 103 | 201 | 444 | 71.1 | 85.0 | 233 | 114 | 468 | 227 |
| 0.48 | 0.47 | 0.57 | 0.41 | 0.28 | 0.3 | 0.59 | b.d. | b.d. | b.d. | b.d. | b.d. | 0.22 | 0.24 | 0.24 |
| 0.92 | 0.8 | 1.82 | 0.85 | 0.93 | 0.44 | 0.66 | 0.53 | 3.66 | 0.76 | 0.56 | 0.8 | 0.74 | 0.74 | 1.05 |
| 0.42 | 0.37 | 0.68 | 0.27 | 0.46 | 0.22 | 0.3 | b.d. | 0.83 | 0.23 | 0.53 | 0.33 | 0.13 | 0.22 | 0.27 |
| 351 | 351 | 315 | 367 | 417 | 388 | 446 | 341 | 14 | 234 | 236 | 294 | 315 | 315 | 324 |
| 48.56 | 41.7 | 45.6 | 28.97 | 56.96 | 45.2 | 50.29 | 27 | 32.7 | 16.58 | 15.36 | 13.85 | 14.11 | 17.58 | 19.38 |
| 210.12 | 184.16 | 190.1 | 81.5 | 180.1 | 171.3 | 196.2 | 111 | 119.42 | 34.43 | 32.28 | 24.87 | 36.8 | 43.9 | 44 |
| 10.71 | 8.90 | 12.64 | 8.55 | 7.96 | 7.13 | 10.09 | 6.23 | 12.12 | 4.37 | 3.06 | 4.41 | 3.72 | 4.58 | 5.65 |
| 29.10 | 24.67 | 30.97 | 19.84 | 22.80 | 21.23 | 28.39 | 15.76 | 30.82 | 10.02 | 7.40 | 9.89 | 8.53 | 10.45 | 12.32 |
| 4.43 | 3.93 | 4.78 | 2.88 | 3.79 | 3.60 | 4.49 | 2.48 | 4.23 | 1.45 | 1.10 | 1.44 | 1.27 | 1.53 | 1.73 |
| 22.72 | 20.48 | 22.90 | 13.47 | 20.38 | 18.63 | 22.69 | 12.4 | 18.01 | 6.77 | 5.41 | 6.67 | 5.73 | 7.26 | 7.84 |
| 6.45 | 5.97 | 6.66 | 3.64 | 6.29 | 5.94 | 6.72 | 3.77 | 4.66 | 1.97 | 1.76 | 1.94 | 1.79 | 2.14 | 2.18 |
| 2.35 | 2.25 | 2.06 | 1.25 | 2.28 | 1.94 | 2.41 | 1.36 | 0.91 | 0.72 | 0.65 | 0.76 | 0.64 | 0.84 | 0.70 |
| 8.05 | 6.97 | 7.70 | 4.60 | 8.50 | 7.79 | 8.71 | 4.58 | 5.20 | 2.60 | 2.31 | 2.23 | 2.15 | 2.64 | 2.78 |
| 1.34 | 1.19 | 1.33 | 0.79 | 1.56 | 1.26 | 1.45 | 0.78 | 0.86 | 0.46 | 0.42 | 0.36 | 0.38 | 0.46 | 0.46 |
| 8.16 | 7.58 | 8.30 | 5.28 | 9.70 | 7.98 | 9.05 | 5.25 | 5.24 | 2.82 | 2.72 | 2.40 | 2.44 | 2.93 | 3.00 |
| 1.75 | 1.58 | 1.72 | 1.09 | 2.19 | 1.72 | 1.94 | 1.1 | 1.17 | 0.63 | 0.58 | 0.54 | 0.54 | 0.67 | 0.68 |
| 4.92 | 4.63 | 4.91 | 3.23 | 6.23 | 5.00 | 5.59 | 3.13 | 3.45 | 1.82 | 1.78 | 1.61 | 1.70 | 2.00 | 1.92 |
| 0.72 | 0.67 | 0.69 | 0.46 | 0.98 | 0.73 | 0.83 | 0.45 | 0.56 | 0.29 | 0.28 | 0.24 | 0.25 | 0.32 | 0.31 |
| 4.44 | 4.06 | 4.40 | 2.94 | 5.93 | 4.38 | 5.05 | 2.97 | 3.85 | 1.88 | 1.78 | 1.56 | 1.53 | 1.92 | 2.07 |
| 0.68 | 0.63 | 0.66 | 0.45 | 0.90 | 0.68 | 0.82 | 0.44 | 0.64 | 0.28 | 0.28 | 0.24 | 0.25 | 0.31 | 0.33 |
| 42.6 | 34.9 | 49.5 | 52.5 | 42.6 | 53.8 | 44.4 | 53.4 | 46.6 | 52.9 | 60.9 | 62.5 | 57.0 | 57.3 | 47.8 |
| 0.6 | 0.5 | 0.3 | 0.5 | 0.4 | 0.8 | 0.7 | 0.6 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| 1.3 | 1.2 | 1.9 | 1.5 | 3.0 | 1.5 | 1.2 | 0.8 | 2.9 | 6.2 | 4.8 | 6.4 | 5.3 | 5.1 | 5.9 |
| 1.16 | 1.10 | 1.01 | 0.80 | 1.02 | 1.02 | 1.04 | 1.05 | 0.91 | 0.62 | 0.65 | 0.46 | 0.73 | 0.73 | 0.72 |
| 2.9 | 2.7 | 3.5 | 3.5 | 1.6 | 2.0 | 2.4 | 2.6 | 3.8 | 2.8 | 2.1 | 3.4 | 3.0 | 2.9 | 3.3 |

Table DR1 (cont'd)

| VL02A 015 | VL02A 016a | RAX01 59 | RAX02 158 | VL02A 293 | RAX02 157 | RAX02 156 | RAX01 100 | VL01 085 | VL01A 125 | VL01A 297 | VL01A 303 | VL01A 126 | VL01A 131b | VL01A 299b |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 435952 | 435865 | 506714 | 506083 | 505825 | 507469 | 507598 | 501123 | 446650 | 447564 | 466268 | 466033 | 447772 | 446449 | 465979 |
| 5332145 | 5332372 | 5396042 | 5397449 | 5396324 | 5398957 | 5399109 | 5383334 | 5340686 | 5341725 | 5359816 | 5357613 | 5341414 | 5340538 | 5358413 |
| 12A/04 | 12A/04 | 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/04 | 12A/04 | 12A/06 | 12A/06 | 12A/04 | 12A/04 | 12A/06 |
| $ML_2$ | $ML_2$ | $SK_1$ | $SK_1$ | $SK_1$ | $SK_2$ | $SK_2$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ |
| bslt | pbslt | pbslt | pbslt | bslt | bslt | bslt | tuff | pbslt | bslt | bslt | bslt | pbslt | pbslt | bslt |
| 3 | 3 | 2 | 4 | 3 | 6 | 4 | 2 | 5 | 5 | 5 | 3 | 3 | 3 | 3 |
| 47.58 | 49.51 | 50.90 | 51.52 | 46.47 | 61.88 | 45.17 | 54.00 | 46.70 | 47.16 | 51.25 | 46.22 | 50.36 | 51.09 | 48.57 |
| 0.54 | 0.65 | 1.08 | 0.75 | 0.66 | 1.16 | 1.57 | 1.44 | 0.80 | 1.23 | 1.23 | 1.40 | 1.47 | 1.33 | 1.68 |
| 14.59 | 17.47 | 16.06 | 15.07 | 15.99 | 15.83 | 17.04 | 13.54 | 18.46 | 15.86 | 15.61 | 14.97 | 14.14 | 15.42 | 13.87 |
| 9.09 | 12.17 | 11.73 | 12.31 | 9.49 | 6.31 | 16.14 | 11.37 | 7.21 | 11.13 | 9.79 | 11.68 | 11.85 | 10.75 | 13.41 |
| 0.17 | 0.19 | 0.14 | 0.44 | 0.17 | 0.10 | 0.17 | 0.16 | 0.14 | 0.22 | 0.14 | 0.20 | 0.20 | 0.16 | 0.18 |
| 4.55 | 4.92 | 7.25 | 8.85 | 9.75 | 4.23 | 7.58 | 6.72 | 6.34 | 7.21 | 6.64 | 8.08 | 6.28 | 5.34 | 6.90 |
| 15.96 | 7.63 | 5.22 | 3.47 | 12.21 | 0.74 | 3.26 | 5.22 | 9.61 | 12.28 | 8.32 | 13.29 | 9.85 | 7.48 | 9.86 |
| 0.18 | 2.42 | 5.47 | 1.30 | 1.35 | 6.50 | 4.24 | 6.29 | 4.52 | 3.05 | 4.86 | 2.42 | 4.48 | 5.72 | 3.47 |
| 0.07 | 2.09 | 0.07 | 0.31 | 1.23 | 0.04 | 0.54 | 0.43 | 0.03 | 0.03 | 0.09 | 0.04 | 0.14 | 0.06 | 0.13 |
| 0.10 | 0.08 | 0.11 | 0.12 | 0.08 | 0.36 | 0.05 | 0.09 | 0.05 | 0.10 | 0.09 | 0.12 | 0.12 | 0.12 | 0.14 |
| 7.25 | 3.52 | 3.25 | 5.88 | 2.93 | 2.70 | 5.04 | 2.16 | 6.40 | 2.49 | 2.59 | 2.10 | 1.93 | 3.10 | 2.19 |
| 100.11 | 100.69 | 101.27 | 100.06 | 100.46 | 99.86 | 100.83 | 101.42 | 100.27 | 100.76 | 100.60 | 100.61 | 100.91 | 100.64 | 100.46 |
| 10.3 | 329 | 41.0 | 27.3 | 193 | 44.0 | 341 | 26.8 | 13.5 | 23.4 | 22.7 | 7.8 | 80.6 | 43.4 | 27.9 |
| 5 | 21 | 21 | 165 | 573 | 3 | b.d. | 154 | 371 | 264 | 221 | 420 | 366 | 274 | 178 |
| 0.26 | 1.0 | 0.04 | 0.38 | 0.41 | b.d. | 0.19 | 0.23 | 0.15 | 0.19 | 0.24 | 0.14 | 0.66 | 0.17 | 0.31 |
| 0.90 | 0.90 | 1.50 | 1.20 | 1.10 | 2.70 | 2.00 | 2.41 | 1.24 | 2.15 | 2.02 | 2.30 | 2.50 | 2.30 | 2.90 |
| 0.66 | 1.29 | 0.92 | 1.16 | 0.70 | 4.80 | 3.72 | 1.98 | 1.08 | 3.87 | 2.98 | 2.23 | 2.42 | 3.00 | 2.66 |
| 27 | 3 | 21 | 48 | 196 | 2 | 3 | 67 | 150 | 90 | 57 | 128 | 121 | 97 | 74 |
| 2.2 | 1.2 | 1.03 | 1.9 | 1.2 | 2.6 | 5 | 0.44 | 0.56 | 1.11 | 0.46 | 2 | 0.5 | 1.2 | 1.2 |
| 1.28 | 39.5 | 0.68 | 4.81 | 17.1 | 1.2 | 3.19 | 6.72 | 0.48 | 0.26 | 1.2 | 0.31 | 2.43 | 0.41 | 2.29 |
| 37 | 39.5 | 38.3 | 42.3 | 42.0 | 23 | 45.5 | 46.5 | 29.0 | 41.3 | 41.4 | 52.5 | 52.5 | 52.5 | 52.5 |
| 168 | 183 | 57.1 | 62.4 | 239 | 75.8 | 149 | 46.7 | 225 | 339 | 94.7 | 163 | 158 | 134 | 225 |
| 0.22 | 0.12 | b.d. | 0.24 | 0.18 | 0.2 | 0.36 | b.d. | b.d. | b.d. | b.d. | 0.3 | 0.34 | 0.39 | 0.35 |
| 0.62 | 1.14 | 0.41 | 0.62 | 0.42 | 1.9 | 1.58 | 0.17 | 0.07 | 0.25 | 0.21 | 0.18 | 0.2 | 0.22 | 0.2 |
| 0.34 | 0.27 | 0.23 | 0.17 | 0.11 | 0.2 | 0.34 | 0.13 | 0.06 | 0.09 | 0.07 | 0.06 | 0.08 | 0.07 | 0.07 |
| 315 | 376 | 283 | 248 | 267 | 111 | 414 | 306 | 199 | 253 | 253 | 304 | 314 | 315 | 346 |
| 15.99 | 11.44 | 22.96 | 17.12 | 16.33 | 34.7 | 15.98 | 31.07 | 16.31 | 28.52 | 27.98 | 34.41 | 34.92 | 34.81 | 40.44 |
| 31.5 | 33.2 | 46.86 | 40.7 | 32.1 | 82.5 | 75.4 | 79.77 | 40.93 | 76.38 | 73.33 | 83.6 | 92.3 | 84.4 | 104.2 |
| 4.12 | 5.78 | 2.49 | 3.72 | 3.31 | 9.90 | 5.54 | 2.59 | 1.17 | 3.72 | 2.66 | 2.71 | 3.05 | 3.10 | 3.24 |
| 8.99 | 12.22 | 7.05 | 8.94 | 7.74 | 24.80 | 13.26 | 8.16 | 3.83 | 10.45 | 8.35 | 8.56 | 9.57 | 9.52 | 10.10 |
| 1.25 | 1.62 | 1.24 | 1.32 | 1.11 | 3.37 | 1.84 | 1.58 | 0.73 | 1.73 | 1.50 | 1.61 | 1.70 | 1.68 | 1.88 |
| 6.13 | 6.86 | 7.00 | 6.30 | 5.66 | 17.40 | 8.15 | 8.68 | 4.25 | 8.97 | 8.17 | 9.04 | 9.51 | 9.61 | 10.85 |
| 1.78 | 1.75 | 2.43 | 1.93 | 1.85 | 4.50 | 2.27 | 3.07 | 1.60 | 3.09 | 2.88 | 3.30 | 3.31 | 3.40 | 3.96 |
| 0.61 | 0.58 | 0.94 | 0.70 | 0.66 | 1.59 | 0.94 | 1.21 | 0.68 | 1.55 | 1.11 | 1.19 | 1.25 | 1.22 | 1.37 |
| 2.06 | 1.88 | 3.56 | 2.64 | 2.45 | 5.68 | 2.77 | 4.63 | 2.40 | 4.13 | 4.09 | 4.91 | 4.87 | 4.80 | 5.73 |
| 0.38 | 0.31 | 0.62 | 0.48 | 0.46 | 0.89 | 0.47 | 0.83 | 0.42 | 0.78 | 0.76 | 0.90 | 0.89 | 0.92 | 1.01 |
| 2.50 | 1.88 | 4.26 | 2.89 | 2.79 | 5.50 | 2.99 | 5.36 | 2.80 | 4.93 | 4.72 | 5.84 | 5.85 | 5.82 | 6.80 |
| 0.57 | 0.41 | 0.92 | 0.64 | 0.62 | 1.15 | 0.63 | 1.20 | 0.63 | 1.12 | 1.10 | 1.29 | 1.27 | 1.28 | 1.51 |
| 1.76 | 1.26 | 2.59 | 1.91 | 1.80 | 3.47 | 1.83 | 3.41 | 1.84 | 3.02 | 3.05 | 3.82 | 3.84 | 3.70 | 4.52 |
| 0.25 | 0.19 | 0.35 | 0.26 | 0.29 | 0.47 | 0.28 | 0.53 | 0.27 | 0.45 | 0.45 | 0.57 | 0.59 | 0.57 | 0.68 |
| 1.57 | 1.27 | 2.07 | 1.78 | 1.76 | 3.33 | 1.81 | 3.34 | 1.69 | 2.72 | 2.77 | 3.56 | 3.66 | 3.53 | 4.09 |
| 0.24 | 0.19 | 0.31 | 0.29 | 0.27 | 0.54 | 0.28 | 0.52 | 0.24 | 0.43 | 0.44 | 0.55 | 0.59 | 0.53 | 0.67 |
| 52.2 | 46.8 | 57.4 | 61.0 | 69.1 | 59.4 | 50.6 | 56.3 | 65.7 | 58.5 | 59.7 | 60.1 | 53.6 | 52.0 | 52.9 |
| 0.3 | 0.2 | 0.3 | 0.3 | 0.4 | 0.3 | 0.2 | 0.7 | 0.8 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 |
| 5.8 | 4.2 | 2.5 | 3.0 | 4.4 | 1.9 | 1.4 | 1.2 | 1.0 | 0.9 | 0.8 | 1.1 | 1.2 | 1.0 | 1.1 |
| 0.63 | 0.67 | 0.69 | 0.75 | 0.62 | 0.65 | 1.18 | 0.92 | 0.91 | 0.88 | 0.90 | 0.90 | 0.99 | 0.88 | 0.94 |
| 3.2 | 5.6 | 1.5 | 2.5 | 2.3 | 3.6 | 3.7 | 0.9 | 0.8 | 1.7 | 1.2 | 0.9 | 1.0 | 1.1 | 1.0 |

Table DR1 (cont'd)

| VL01A 078 | VL01A 301b | VL01A 331b | VL02A 021 | VL02A 028 | VL02A 080 | VL02A 024 | VL02A 274 | RAX01 099 | RAX01 047 | VL02A 087 | VL01A 133b | VL02A 197 | VL02A 084 | RAX01 048 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445059 | 465984 | 467424 | 443604 | 464567 | 467364 | 447910 | 484804 | 501089 | 503114 | 467315 | 446907 | 480124 | 468133 | 503137 |
| 5338271 | 5358028 | 5360730 | 5337182 | 5354343 | 5362844 | 5341643 | 5377692 | 5383217 | 5387085 | 5362451 | 5340466 | 5372628 | 5363329 | 5387255 |
| 12A/04 | 12A/06 | 12A/06 | 12A/04 | 12A/06 | 12A/06 | 12A/04 | 12A/11 | 12A/10 | 12A/10 | 12A/06 | 12A/04 | 12A/11 | 12A/06 | 12A/10 |
| $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_1$ | $HR_2$ | $HR_2$ | $HR_2$ | $HR_3$ | $HR_3$ | $HR_3$ | $HR_4$ |
| diab | bslt | gabb | bslt | pbslt | bslt | pbslt | bslt | mtuff | pbslt | bslt | mtuff | bslt | bslt | pbslt |
| 5 | 5 | 6 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 5 | 3 | 6 | 2 |
| 47.99 | 47.94 | 49.21 | 47.61 | 47.73 | 50.17 | 50.22 | 47.71 | 51.17 | 50.00 | 49.25 | 48.17 | 46.78 | 48.29 | 50.14 |
| 1.81 | 1.73 | 1.77 | 1.46 | 1.39 | 1.45 | 1.43 | 1.97 | 1.26 | 1.90 | 1.65 | 0.73 | 1.24 | 1.26 | 0.55 |
| 13.04 | 14.63 | 13.43 | 14.76 | 14.79 | 13.80 | 14.21 | 13.72 | 15.48 | 14.51 | 14.61 | 16.36 | 16.42 | 14.46 | 15.35 |
| 13.62 | 13.32 | 13.01 | 10.54 | 12.81 | 12.00 | 11.71 | 13.92 | 9.72 | 12.99 | 11.56 | 9.96 | 11.41 | 11.71 | 8.61 |
| 0.24 | 0.21 | 0.19 | 0.19 | 0.21 | 0.21 | 0.20 | 0.24 | 0.16 | 0.21 | 0.21 | 0.18 | 0.18 | 0.19 | 0.14 |
| 7.71 | 7.48 | 6.75 | 7.48 | 8.16 | 7.58 | 6.18 | 7.23 | 6.64 | 5.55 | 7.16 | 8.33 | 7.20 | 7.43 | 9.42 |
| 8.51 | 8.67 | 10.43 | 13.71 | 9.15 | 10.26 | 9.60 | 10.32 | 6.64 | 7.76 | 11.23 | 11.24 | 11.56 | 11.44 | 7.57 |
| 3.69 | 3.91 | 3.22 | 2.13 | 3.43 | 3.00 | 4.67 | 2.84 | 5.99 | 4.74 | 2.76 | 2.98 | 2.78 | 2.61 | 4.89 |
| 0.60 | 0.04 | 0.10 | 0.04 | 0.20 | 0.49 | 0.05 | 0.06 | 0.10 | 0.24 | 0.07 | 0.31 | 0.14 | 0.10 | 0.12 |
| 0.14 | 0.12 | 0.15 | 0.14 | 0.11 | 0.13 | 0.13 | 0.18 | 0.14 | 0.18 | 0.18 | 0.04 | 0.09 | 0.09 | 0.09 |
| 2.60 | 2.68 | 1.50 | 2.18 | 2.90 | 1.14 | 2.12 | 2.26 | 3.56 | 3.29 | 2.04 | 2.66 | 2.65 | 2.20 | 4.34 |
| 99.95 | 100.73 | 99.80 | 100.31 | 100.95 | 100.30 | 100.60 | 100.52 | 100.86 | 101.36 | 100.77 | 100.96 | 100.53 | 99.81 | 101.23 |
| 223 | 13.6 | 39.0 | 28.1 | 70.8 | 27.5 | 32.6 | 17.4 | 23.7 | 97.6 | 15.3 | 48.7 | 29.9 | 20.0 | 76.8 |
| 103 | 154 | 151 | 151 | 231 | 199 | 196 | 163 | 227 | 194 | 143 | 337 | 330 | 116 | 327 |
| 0.46 | 0.16 | 0.20 | 0.34 | 0.45 | 2.5 | 0.60 | 0.19 | 0.08 | 0.38 | 0.67 | 0.44 | 0.30 | 0.40 | 0.15 |
| 3.20 | 2.88 | 2.90 | 2.70 | 2.30 | 2.40 | 2.40 | 3.50 | 2.15 | 3.52 | 2.80 | 0.94 | 1.90 | 2.10 | 0.88 |
| 4.03 | 2.90 | 3.00 | 5.10 | 2.03 | 3.20 | 2.31 | 3.94 | 4.11 | 3.53 | 7.93 | 0.29 | 1.12 | 2.60 | 0.86 |
| 50 | 72 | 27 | 69 | 107 | 84 | 77 | 70 | 83 | 102 | 65 | 131 | 115 | 35 | 143 |
| 0.83 | 1.57 | 1.2 | 0.5 | 0.9 | 4.6 | 0.6 | 1.9 | 2.04 | 1.6 | 2.5 | 0.6 | 3.7 | 0.2 | 1.14 |
| 8.19 | 0.56 | 0.9 | 0.42 | 2.68 | 29.4 | 0.46 | 0.36 | 1.37 | 3.5 | 0.74 | 7.58 | 2.46 | 2.1 | 1.41 |
| 44.3 | 50.3 | 40 | 38 | 43 | 40 | 45 | 46.6 | 43 | 34.1 | 47.0 | 37.3 | 44.2 | 39 | 35.7 |
| 134 | 143 | 102 | 300 | 91.4 | 125 | 167 | 117 | 159 | 140 | 277 | 83.8 | 312 | 162 | 115 |
| b.d. | b.d. | 0.2 | 0.48 | 0.31 | 0.34 | 0.34 | 0.38 | b.d. | b.d. | 0.67 | b.d. | 0.18 | b.d. | b.d. |
| 0.3 | 0.21 | 0.3 | 0.36 | 0.17 | 0.23 | 0.18 | 0.34 | 0.65 | 0.53 | 0.46 | b.d. | 0.11 | b.d. | 0.6 |
| 0.1 | 0.12 | 0.1 | 0.11 | 0.05 | 0.08 | 0.07 | 0.10 | 0.54 | 0.16 | 0.18 | 0.01 | 0.03 | b.d. | 0.23 |
| 351 | 351 | 354 | 235 | 281 | 303 | 314 | 406 | 316 | 514 | 298 | 225 | 286 | 307 | 212 |
| 40.74 | 41.63 | 42.5 | 33.41 | 35.51 | 33.66 | 35.14 | 46.87 | 26.35 | 44.58 | 34.87 | 19.79 | 29.85 | 30.7 | 12.22 |
| 118.87 | 100.13 | 94 | 106 | 78.8 | 91.1 | 89.7 | 126.3 | 72.66 | 113.98 | 115.7 | 23.27 | 74.3 | 61 | 23.58 |
| 4.51 | 3.43 | 4.00 | 5.00 | 2.54 | 3.51 | 3.16 | 4.61 | 5.15 | 5.54 | 6.58 | 0.50 | 1.90 | 2.80 | 2.52 |
| 13.39 | 10.67 | 11.50 | 14.09 | 8.06 | 10.56 | 9.50 | 14.41 | 12.36 | 15.41 | 17.18 | 1.89 | 7.01 | 8.70 | 6.18 |
| 2.36 | 1.93 | 2.09 | 2.26 | 1.48 | 1.75 | 1.71 | 2.47 | 1.89 | 2.58 | 2.54 | 0.44 | 1.38 | 1.40 | 0.95 |
| 12.44 | 10.57 | 11.80 | 12.10 | 8.29 | 9.68 | 9.47 | 13.12 | 9.28 | 13.28 | 12.58 | 2.95 | 7.76 | 8.30 | 4.68 |
| 4.19 | 3.99 | 4.10 | 3.99 | 3.19 | 3.37 | 3.43 | 4.80 | 2.81 | 4.54 | 4.08 | 1.48 | 3.17 | 2.40 | 1.54 |
| 1.41 | 1.62 | 1.32 | 1.46 | 1.15 | 1.21 | 1.30 | 1.54 | 1.05 | 1.78 | 1.47 | 0.66 | 1.18 | 1.14 | 0.59 |
| 5.74 | 5.76 | 5.90 | 5.38 | 4.87 | 4.67 | 4.97 | 6.40 | 3.92 | 6.40 | 5.12 | 2.41 | 4.27 | 4.95 | 1.91 |
| 1.04 | 1.09 | 1.05 | 0.90 | 0.89 | 0.85 | 0.93 | 1.20 | 0.70 | 1.16 | 0.88 | 0.48 | 0.76 | 0.79 | 0.36 |
| 6.80 | 7.00 | 6.50 | 5.83 | 5.74 | 5.82 | 5.76 | 7.89 | 4.61 | 7.83 | 5.76 | 3.40 | 5.00 | 5.24 | 2.27 |
| 1.50 | 1.62 | 1.40 | 1.25 | 1.29 | 1.22 | 1.32 | 1.71 | 1.00 | 1.72 | 1.21 | 0.78 | 1.10 | 1.06 | 0.49 |
| 4.29 | 4.55 | 4.17 | 3.76 | 3.74 | 3.53 | 3.93 | 5.27 | 2.89 | 5.00 | 3.56 | 2.22 | 3.35 | 3.22 | 1.42 |
| 0.63 | 0.69 | 0.64 | 0.53 | 0.55 | 0.48 | 0.54 | 0.75 | 0.45 | 0.76 | 0.52 | 0.34 | 0.50 | 0.49 | 0.22 |
| 4.04 | 4.22 | 4.01 | 3.20 | 3.76 | 3.60 | 3.62 | 4.74 | 2.80 | 4.76 | 3.17 | 2.11 | 2.93 | 2.90 | 1.33 |
| 0.65 | 0.68 | 0.68 | 0.50 | 0.53 | 0.53 | 0.59 | 0.73 | 0.43 | 0.76 | 0.51 | 0.34 | 0.46 | 0.45 | 0.23 |
| 55.2 | 55.0 | 53.1 | 60.7 | 58.1 | 57.9 | 53.5 | 53.1 | 59.8 | 48.2 | 57.4 | 64.6 | 57.9 | 58.0 | 70.5 |
| 0.7 | 0.8 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 | 0.4 | 0.5 | 0.7 | n.a. | 0.8 | n.a. | 0.2 |
| 1.0 | 1.1 | 1.2 | 0.9 | 1.2 | 1.0 | 1.3 | 1.1 | 1.2 | 1.5 | 0.8 | 1.6 | 1.6 | 1.0 | 2.7 |
| 1.01 | 0.89 | 0.81 | 0.94 | 0.88 | 0.96 | 0.93 | 0.94 | 0.92 | 0.89 | 1.01 | 0.56 | 0.83 | 0.90 | 0.54 |
| 1.4 | 1.0 | 1.2 | 1.9 | 0.8 | 1.2 | 1.1 | 1.2 | 2.2 | 1.4 | 2.5 | 0.3 | 0.8 | 1.2 | 2.3 |

Table DR1 (cont'd)

| RAX01032 | RAX01033 | VL01A080a | RAX00709 | RAX00706 | RAX00707 | RAX01054 | RAX01062 | RAX01061 | RAX01060 | RAX01067 | RAX01076 | RAX01064 | RAX01035 | RAX01056 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 496519 | 497088 | 446204 | 443569 | 440819 | 440869 | 488958 | 534506 | 533826 | 532918 | 529249 | 508414 | 530989 | 510647 | 502988 |
| 5379867 | 5379494 | 5340308 | 5336518 | 5336018 | 5336018 | 5379606 | 5407801 | 5407267 | 5406265 | 5401639 | 5394308 | 5406069 | 5395316 | 5387700 |
| 12A/11 | 12A/11 | 12A/04 | 12A/04 | 12A/04 | 12A/04 | 12A/11 | 12A/15 | 12A/15 | 12A/15 | 12A/15 | 12A/10 | 12A/15 | 12A/10 | 12A/10 |
| $HR_4$ mtuff | $HR_4$ pbslt | $HR_4$ bslt | $HR_5$ bslt | $HR_5$ pbslt | $HR_5$ pbslt | $HR_5$ and | $HR_5$ pbslt | $HR_5$ pbslt | $HR_5$ pand | $HR_5$ pbslt | $HR_5$ mtuff | $HR_5$ pbslt | $HR_5$ bslt | $HR_5$ mtuff |
| 2 | 2 | 5 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 40.89 | 44.35 | 52.66 | 57.40 | 47.20 | 44.40 | 56.89 | 49.97 | 41.80 | 58.61 | 48.46 | 50.37 | 49.73 | 48.74 | 51.25 |
| 0.62 | 0.82 | 0.63 | 0.64 | 0.48 | 0.54 | 0.73 | 1.51 | 0.80 | 0.62 | 0.74 | 0.95 | 0.71 | 0.91 | 0.75 |
| 14.27 | 17.81 | 16.14 | 17.30 | 16.00 | 18.20 | 17.20 | 16.24 | 14.30 | 11.56 | 14.56 | 14.85 | 13.80 | 15.47 | 16.28 |
| 8.68 | 10.16 | 7.95 | 8.07 | 6.68 | 9.10 | 8.62 | 8.93 | 7.86 | 10.06 | 8.92 | 8.09 | 7.04 | 8.76 | 8.14 |
| 0.15 | 0.25 | 0.10 | 0.13 | 0.18 | 0.23 | 0.17 | 0.14 | 0.13 | 0.50 | 0.15 | 0.17 | 0.18 | 0.15 | 0.23 |
| 5.09 | 6.84 | 9.93 | 4.39 | 11.00 | 9.80 | 3.25 | 5.97 | 5.87 | 7.95 | 7.80 | 4.33 | 5.28 | 8.94 | 8.29 |
| 12.52 | 6.66 | 3.07 | 2.59 | 7.08 | 8.16 | 6.60 | 5.24 | 12.55 | 4.70 | 10.00 | 8.22 | 10.28 | 5.84 | 4.84 |
| 1.70 | 3.92 | 4.82 | 3.57 | 2.43 | 1.91 | 2.44 | 5.27 | 3.74 | 0.12 | 3.82 | 4.13 | 4.37 | 3.61 | 4.83 |
| 3.11 | 2.01 | 0.04 | 1.34 | 0.07 | 0.39 | 1.69 | 0.46 | 0.16 | 0.19 | 1.37 | 0.46 | 0.22 | 0.42 | 1.73 |
| 0.05 | 0.09 | 0.09 | 0.09 | 0.24 | 0.27 | 0.24 | 0.26 | 0.18 | 0.09 | 0.27 | 0.24 | 0.14 | 0.20 | 0.16 |
| 12.96 | 8.55 | 5.53 | 7.21 | 12.64 | 11.91 | 3.23 | 7.26 | 13.72 | 5.45 | 5.30 | 9.40 | 9.19 | 8.30 | 4.74 |
| 100.06 | 101.46 | 100.96 | 99.00 | 98.20 | 99.30 | 101.07 | 101.25 | 101.11 | 99.85 | 101.39 | 101.20 | 100.93 | 101.35 | 101.25 |
| 234 | 152 | 77.4 | 337 | 95.0 | 102 | 251 | 348 | 67.1 | 706 | 504 | 140 | 229 | 92.7 | 359 |
| 501 | 75 | 64 | 19 | 1160 | 1040 | 5 | 81 | 323 | 35 | 303 | 55 | 208 | 289 | 59 |
| 0.99 | 1.4 | 0.37 | 1.3 | 0.12 | 0.36 | 1.6 | 0.96 | 0.77 | 0.96 | 0.38 | 2.0 | 0.11 | 0.83 | 1.0 |
| 1.24 | 1.33 | 0.96 | 2.50 | 1.10 | 1.20 | 2.77 | 3.97 | 2.32 | 1.01 | 2.14 | 2.89 | 1.34 | 1.91 | 1.91 |
| 0.60 | 0.76 | 0.92 | 2.40 | 1.80 | 2.00 | 2.47 | 7.38 | 3.43 | 1.29 | 4.35 | 6.07 | 1.50 | 3.87 | 3.40 |
| 195 | 39 | 60 | b.d. | 388 | 341 | b.d. | 8 | 156 | 40 | 81 | 36 | 92 | 132 | 50 |
| 1.18 | 1.06 | 5.43 | 2 | 7 | 13 | 4.4 | 2.7 | 0.99 | 6.68 | 2.1 | 5.14 | 0.95 | 2.42 | 1.73 |
| 45.1 | 44.1 | 0.53 | 26.0 | 1.2 | 9.1 | 59.9 | 9.33 | 3.2 | 5.45 | 32.3 | 14.7 | 4.05 | 11.9 | 33.0 |
| 32.5 | 39.7 | 34 | 22 | 31 | 36 | 17.7 | 19.7 | 31.7 | 24.9 | 37.6 | 26.1 | 36 | 31.3 | 36.2 |
| 229 | 93.3 | 166 | 112 | 343 | 498 | 451 | 205 | 169 | 121 | 165 | 153 | 157 | 188 | 173 |
| b.d. | b.d. | b.d. | 0.2 | 0.16 | 0.15 | b.d. | 0.4 | b.d. | b.d. | b.d. | b.d. | b.d. | b.d. | b.d. |
| 1.25 | 1.2 | 0.72 | 4.2 | 1.9 | 2.1 | 10.39 | 4.42 | 3.6 | 1.82 | 5.08 | 5.62 | 1.64 | 3.26 | 3.75 |
| 0.39 | 0.44 | 0.29 | 1.3 | 0.74 | 0.68 | 3.51 | 1.4 | 1.19 | 0.49 | 2.56 | 0.98 | 0.54 | 0.58 | 0.75 |
| 223 | 343 | 278 | 153 | 254 | 434 | 168 | 179 | 223 | 231 | 242 | 244 | 257 | 266 | 316 |
| 15.46 | 16.81 | 14.83 | 22 | 16 | 18 | 17.31 | 22.3 | 16.29 | 12.08 | 16.18 | 20.4 | 12.07 | 15.05 | 15.58 |
| 37.42 | 43.96 | 30.28 | 88 | 34 | 40 | 94.53 | 153.56 | 87.57 | 34.36 | 74.37 | 103.18 | 43.88 | 66.61 | 66.25 |
| 4.75 | 4.09 | 3.70 | 11.00 | 8.50 | 9.90 | 26.98 | 19.28 | 13.00 | 7.27 | 11.79 | 14.42 | 7.34 | 10.92 | 12.12 |
| 11.23 | 10.32 | 9.16 | 23.00 | 18.00 | 21.00 | 56.65 | 42.97 | 28.60 | 15.16 | 26.24 | 31.99 | 15.60 | 25.08 | 25.84 |
| 1.72 | 1.53 | 1.38 | 2.90 | 2.50 | 2.80 | 7.16 | 5.59 | 3.78 | 1.99 | 3.66 | 4.35 | 2.15 | 3.38 | 3.48 |
| 8.09 | 6.91 | 6.34 | 12.00 | 11.00 | 12.00 | 28.48 | 22.46 | 15.57 | 8.64 | 16.45 | 18.88 | 9.20 | 13.78 | 14.51 |
| 2.26 | 2.04 | 1.94 | 2.60 | 2.60 | 2.90 | 5.53 | 4.52 | 3.39 | 1.96 | 3.54 | 3.93 | 2.31 | 3.32 | 3.08 |
| 0.85 | 0.81 | 0.69 | 0.94 | 0.83 | 0.90 | 1.68 | 1.46 | 0.98 | 0.73 | 1.00 | 1.22 | 0.78 | 1.06 | 1.07 |
| 2.52 | 2.62 | 2.21 | 2.90 | 2.70 | 3.10 | 4.47 | 4.40 | 3.09 | 2.30 | 3.16 | 3.79 | 2.30 | 2.96 | 3.07 |
| 0.47 | 0.45 | 0.38 | 0.54 | 0.46 | 0.51 | 0.63 | 0.68 | 0.50 | 0.36 | 0.48 | 0.59 | 0.37 | 0.50 | 0.48 |
| 2.88 | 2.91 | 2.58 | 3.20 | 2.70 | 3.00 | 3.46 | 4.05 | 2.92 | 2.27 | 3.02 | 3.72 | 2.26 | 2.97 | 3.01 |
| 0.62 | 0.64 | 0.56 | 0.70 | 0.55 | 0.60 | 0.72 | 0.86 | 0.61 | 0.50 | 0.60 | 0.81 | 0.48 | 0.62 | 0.64 |
| 1.75 | 1.82 | 1.70 | 1.90 | 1.40 | 1.60 | 1.99 | 2.40 | 1.91 | 1.44 | 1.71 | 2.33 | 1.38 | 1.78 | 1.82 |
| 0.26 | 0.27 | 0.25 | 0.33 | 0.23 | 0.26 | 0.30 | 0.37 | 0.27 | 0.21 | 0.25 | 0.35 | 0.21 | 0.27 | 0.27 |
| 1.64 | 1.74 | 1.64 | 2.30 | 1.60 | 1.70 | 1.98 | 2.22 | 1.78 | 1.29 | 1.49 | 2.27 | 1.38 | 1.69 | 1.69 |
| 0.26 | 0.26 | 0.26 | 0.39 | 0.23 | 0.28 | 0.32 | 0.35 | 0.29 | 0.21 | 0.24 | 0.36 | 0.21 | 0.27 | 0.27 |
| 56.1 | 59.5 | 73.1 | 54.2 | 78.2 | 70.1 | 45.1 | 59.3 | 61.9 | 63.3 | 65.6 | 53.8 | 62.0 | 69.0 | 68.9 |
| 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 7.4 | 5.0 | 3.7 | 4.3 | 4.4 | 4.6 | 10.2 | 2.4 | 3.5 | 5.3 | 2.5 | 2.2 | 4.6 | 2.6 | 3.3 |
| 0.59 | 0.77 | 0.55 | 1.20 | 0.46 | 0.49 | 0.61 | 1.21 | 0.92 | 0.62 | 0.75 | 0.93 | 0.68 | 0.71 | 0.76 |
| 3.5 | 2.9 | 2.8 | 5.8 | 6.5 | 7.1 | 16.6 | 10.6 | 8.9 | 6.9 | 9.7 | 7.7 | 6.5 | 7.9 | 8.7 |

Table DR1 (cont'd)

| RAX01 049 | RAX01 031 | RAX01 063 | RAX01 058 | RAX01 065 | RAX02 129 | RAX02 103 | RAX02 153 | RAX02 154 | RAX02 102 | RAX02 101 | VL02A 014 | RAX00 710 | RAX01 057 | RAX01 910 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 501727 | 500049 | 535078 | 503298 | 524147 | 537110 | 514047 | 513134 | 509807 | 513531 | 513126 | 440325 | 443569 | 503226 | 502989 |
| 5386376 | 5384112 | 5409320 | 5388722 | 5404056 | 5410490 | 5397396 | 5403769 | 5402136 | 5396921 | 5396703 | 5335838 | 5336518 | 5388500 | 5387699 |
| 12A/10 | 12A/10 | 12A/15 | 12A/10 | 12A/15 | 12A/16 | 12A/10 | 12A/15 | 12A/15 | 12A/10 | 12A/10 | 12A/04 | 12A/04 | 12A/10 | 12A/10 |
| $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | $HR_5$ | HBF | HBF | HBF |
| mtuff | bslt | pbslt | diab | gabb | pbslt | bslt | bslt | pbslt | bslt | bslt | bslt | ituff | ftuff | ftuff |
| 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 1 | 2 | 2 |
| 51.10 | 49.36 | 48.26 | 51.83 | 49.64 | 52.48 | 49.98 | 52.73 | 48.13 | 50.65 | 55.84 | 48.21 | 65.60 | 77.21 | 76.04 |
| 0.89 | 0.78 | 0.79 | 0.83 | 1.69 | 0.69 | 1.08 | 0.72 | 0.87 | 1.16 | 1.21 | 1.03 | 0.43 | 0.14 | 0.18 |
| 16.51 | 16.69 | 16.54 | 14.92 | 15.71 | 14.10 | 19.12 | 16.64 | 18.69 | 16.49 | 14.86 | 16.41 | 15.10 | 12.48 | 12.60 |
| 9.46 | 8.33 | 10.06 | 11.90 | 13.46 | 7.68 | 12.18 | 9.61 | 9.88 | 12.18 | 11.22 | 7.45 | 6.34 | 1.45 | 1.27 |
| 0.24 | 0.08 | 0.16 | 0.17 | 0.23 | 0.14 | 0.13 | 0.18 | 0.24 | 0.20 | 0.12 | 0.12 | 0.14 | 0.05 | 0.18 |
| 7.29 | 9.58 | 5.94 | 7.34 | 5.42 | 5.04 | 4.02 | 3.73 | 9.10 | 6.87 | 3.92 | 5.64 | 2.91 | 1.55 | 1.69 |
| 6.41 | 5.18 | 8.48 | 2.58 | 6.11 | 10.42 | 2.41 | 9.28 | 3.18 | 4.13 | 5.63 | 8.83 | 1.74 | 0.20 | 0.32 |
| 4.96 | 1.44 | 5.28 | 3.96 | 4.67 | 2.73 | 5.78 | 1.77 | 4.66 | 4.15 | 3.29 | 4.88 | 4.96 | 1.16 | 1.17 |
| 0.46 | 5.34 | 0.09 | 1.57 | 1.32 | 1.28 | 2.31 | 2.32 | 0.71 | 0.80 | 0.44 | 0.45 | 0.45 | 4.70 | 4.74 |
| 0.16 | 0.13 | 0.17 | 0.20 | 0.22 | 0.22 | 0.26 | 0.15 | 0.16 | 0.27 | 0.29 | 0.36 | 0.06 | 0.03 | 0.04 |
| 3.76 | 4.53 | 5.50 | 5.80 | 2.91 | 5.12 | 3.56 | 3.55 | 5.14 | 3.92 | 2.90 | 6.40 | 4.51 | 2.30 | 2.37 |
| 101.25 | 101.46 | 101.27 | 101.10 | 101.40 | 99.98 | 100.86 | 100.72 | 100.81 | 100.86 | 99.75 | 99.85 | 99.80 | 101.28 | 100.62 |
| 129 | 464 | 79.1 | 253 | 462 | 726 | 409 | 507 | 497 | 300 | 169 | 233 | 162 | 241 | 635 |
| 109 | 223 | 38 | 21 | 5 | 420 | 54 | 53 | 152 | 21 | 27 | 157 | 15 | b.d. | b.d. |
| 0.62 | 2.5 | 0.06 | 1.0 | 0.14 | 0.41 | 2.5 | 0.81 | 0.50 | 0.27 | 1.0 | 0.50 | 0.40 | 2.0 | 1.7 |
| 1.80 | 1.80 | 1.76 | 1.62 | 2.61 | 2.30 | 2.40 | 1.90 | 2.10 | 2.50 | 2.70 | 2.70 | 2.40 | 3.70 | 4.18 |
| 2.87 | 3.25 | 3.08 | 1.81 | 2.74 | 4.53 | 4.13 | 2.43 | 2.87 | 4.50 | 4.30 | 11.30 | 2.10 | 9.59 | 9.36 |
| 55 | 88 | 36 | 22 | 7 | 132 | 18 | 24 | 59 | 19 | 10 | 104 | b.d. | b.d. | b.d. |
| 3.09 | 1.26 | 5.03 | 1.82 | 4.01 | 16 | 5.4 | 9.5 | 4.3 | 7.6 | 2.9 | 1.3 | 8 | 1.18 | 13.71 |
| 7.24 | 124 | 1.59 | 19.4 | 31.2 | 37.0 | 60.8 | 55.6 | 11.6 | 9.7 | 19.2 | 11.5 | 6.4 | 85.5 | 69.3 |
| 33.3 | 40.8 | 31.1 | 17.1 | 38.1 | 28.0 | 40.2 | 38.9 | 52.5 | 42.3 | 31 | 27 | 15 | 6.68 | b.d. |
| 236 | 191 | 122 | 137 | 275 | 592 | 76.7 | 312 | 396 | 154 | 382 | 184 | 184 | 2.5 | 8.22 |
| b.d. | b.d. | b.d. | b.d. | b.d. | 0.33 | 0.38 | 0.22 | 0.37 | 0.42 | 0.3 | 0.5 | 0.2 | 0.6 | 0.66 |
| 3.57 | 2.86 | 3.52 | 1.64 | 3.69 | 6.12 | 4.66 | 4.77 | 3.44 | 4.9 | 5.3 | 10.8 | 4.2 | 8.44 | 8.38 |
| 0.69 | 0.54 | 1.02 | 0.72 | 0.78 | 0.91 | 0.37 | 1.03 | 0.84 | 0.88 | 1.1 | 2.1 | 1.2 | 2.06 | 2.17 |
| 319 | 320 | 463 | 553 | 751 | 218 | 229 | 315 | 315 | 357 | 383 | 256 | 90 | 9 | 9 |
| 16.4 | 15.97 | 16.48 | 16.29 | 25.97 | 20.14 | 26.04 | 16.82 | 17.04 | 24.21 | 28.3 | 21.4 | 17 | 27.91 | 12.26 |
| 58.51 | 61.6 | 61.2 | 50.22 | 92.61 | 89.8 | 85.5 | 72.5 | 77.2 | 91.2 | 87.1 | 111.8 | 87 | 107.92 | 133.3 |
| 13.98 | 10.87 | 13.69 | 6.52 | 15.73 | 19.34 | 18.48 | 16.89 | 13.05 | 20.14 | 23.00 | 18.10 | 10.00 | 23.86 | 17.06 |
| 28.98 | 22.75 | 27.02 | 14.87 | 34.32 | 38.03 | 38.22 | 34.19 | 27.64 | 43.44 | 49.20 | 41.30 | 21.00 | 50.17 | 34.28 |
| 3.62 | 3.02 | 3.43 | 2.06 | 4.72 | 4.79 | 5.44 | 4.35 | 3.59 | 6.00 | 6.25 | 5.49 | 2.50 | 6.16 | 4.05 |
| 15.21 | 12.62 | 14.39 | 9.39 | 20.10 | 19.08 | 22.65 | 16.95 | 14.39 | 25.24 | 27.30 | 24.20 | 9.90 | 22.97 | 14.17 |
| 3.48 | 2.87 | 3.24 | 2.37 | 4.93 | 4.02 | 5.33 | 3.60 | 3.18 | 5.50 | 5.70 | 4.30 | 2.20 | 4.66 | 2.60 |
| 1.18 | 0.98 | 1.08 | 0.73 | 1.72 | 1.08 | 1.59 | 1.08 | 1.01 | 1.37 | 1.83 | 1.33 | 0.69 | 0.72 | 0.42 |
| 3.53 | 2.86 | 3.41 | 2.65 | 4.91 | 3.89 | 5.17 | 3.53 | 3.34 | 5.30 | 5.61 | 4.37 | 2.50 | 4.42 | 2.30 |
| 0.55 | 0.48 | 0.50 | 0.43 | 0.79 | 0.56 | 0.81 | 0.51 | 0.53 | 0.81 | 0.74 | 0.55 | 0.43 | 0.72 | 0.36 |
| 3.30 | 2.86 | 2.98 | 2.87 | 4.84 | 3.49 | 4.76 | 2.86 | 3.12 | 4.66 | 5.12 | 3.60 | 2.60 | 4.69 | 2.10 |
| 0.68 | 0.63 | 0.64 | 0.62 | 1.01 | 0.72 | 1.08 | 0.60 | 0.61 | 1.01 | 1.03 | 0.72 | 0.57 | 1.03 | 0.45 |
| 1.83 | 1.62 | 1.86 | 1.83 | 2.97 | 2.06 | 2.98 | 1.73 | 1.89 | 2.84 | 2.83 | 2.09 | 1.60 | 2.96 | 1.35 |
| 0.28 | 0.27 | 0.27 | 0.27 | 0.42 | 0.31 | 0.47 | 0.25 | 0.26 | 0.44 | 0.44 | 0.27 | 0.27 | 0.46 | 0.22 |
| 1.71 | 1.61 | 1.89 | 1.68 | 2.70 | 2.05 | 2.73 | 1.56 | 1.66 | 2.66 | 2.95 | 2.21 | 2.00 | 2.77 | 1.55 |
| 0.27 | 0.26 | 0.27 | 0.25 | 0.40 | 0.32 | 0.43 | 0.25 | 0.27 | 0.43 | 0.35 | 0.36 | 0.33 | 0.43 | 0.24 |
| 62.7 | 71.5 | 56.3 | 57.3 | 46.7 | 58.9 | 41.8 | 45.8 | 66.8 | 55.1 | 43.2 | 62.3 | 50.0 | 70.0 | 74.4 |
| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 4.5 | 3.1 | 4.1 | 3.4 | 5.4 | 4.0 | 4.2 | 6.5 | 4.2 | 4.2 | 5.0 | 1.5 | 4.4 | 2.3 | 1.7 |
| 0.60 | 0.76 | 0.67 | 0.75 | 0.67 | 0.79 | 0.57 | 0.72 | 0.86 | 0.59 | 0.54 | 0.92 | 1.41 | 0.82 | 1.82 |
| 10.0 | 8.2 | 8.8 | 4.7 | 7.1 | 11.5 | 8.3 | 13.2 | 9.6 | 9.2 | 9.5 | 10.0 | 6.1 | 10.5 | 13.4 |

Table DR1 (cont'd)

| RAX01 051 | RAX01 011 | RAX01 030 | RAX01 055 | RAX01 908 | RAX01 009 | RAX01 081 | RAX01 909 | RAX02 155 | RAX02 144 | RAX02 143 | RAX02 152 | VL01A 308 | VL01A 229 | VL01A 292b |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500800 | 506205 | 503767 | 503672 | 506248 | 506539 | 505297 | 503520 | 509807 | 529723 | 529793 | 513700 | 466576 | 446955 | 465233 |
| 5385042 | 5388840 | 5386729 | 5387478 | 5392154 | 5391273 | 5387579 | 5389050 | 5402136 | 5401170 | 5401149 | 5404021 | 5358915 | 5340646 | 5359136 |
| 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/10 | 12A/15 | 12A/15 | 12A/15 | 12A/15 | 12A/06 | 12A/04 | 12A/06 |
| HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF |
| ftuff | ftuff | ftuff | ftuff | ftuff | ftuff | ftuff | ftuff | fdyke | rhyo | gran | ftuff | ftuff | ftuff | ftuff |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 4 | 4 | 4 | 5 | 5 | 5 |
| 79.38 | 74.23 | 67.48 | 68.93 | 69.28 | 65.21 | 63.96 | 63.75 | 81.42 | 77.60 | 69.36 | 63.52 | 73.89 | 73.53 | 75.56 |
| 0.26 | 0.30 | 0.44 | 0.45 | 0.50 | 0.49 | 0.50 | 0.58 | 0.11 | 0.24 | 0.39 | 0.81 | 0.18 | 0.30 | 0.28 |
| 11.33 | 13.65 | 15.88 | 15.87 | 14.52 | 17.11 | 18.45 | 16.25 | 9.87 | 10.82 | 14.78 | 16.23 | 13.60 | 12.96 | 11.93 |
| 2.15 | 2.60 | 4.54 | 4.42 | 5.03 | 5.68 | 5.74 | 7.00 | 1.52 | 2.58 | 3.95 | 4.95 | 2.11 | 2.42 | 2.23 |
| 0.46 | 0.06 | 0.08 | 0.07 | 0.09 | 0.09 | 0.10 | 0.10 | 0.03 | 0.07 | 0.08 | 0.08 | 0.14 | 0.08 | 0.07 |
| 0.33 | 1.35 | 1.85 | 1.82 | 2.04 | 2.62 | 2.41 | 3.10 | 0.65 | 1.41 | 1.83 | 2.71 | 2.93 | 0.63 | 1.57 |
| 0.03 | 1.49 | 0.37 | 0.56 | 1.35 | 1.02 | 0.30 | 1.37 | 0.78 | 1.53 | 1.99 | 1.46 | 0.26 | 1.40 | 1.12 |
| 2.76 | 2.77 | 3.89 | 3.22 | 2.47 | 3.56 | 3.08 | 3.28 | 4.09 | 4.70 | 4.65 | 6.78 | 0.82 | 4.04 | 2.07 |
| 2.59 | 2.56 | 2.77 | 2.97 | 2.60 | 2.45 | 3.47 | 2.61 | 0.62 | 0.29 | 1.30 | 0.71 | 3.83 | 2.63 | 2.30 |
| 0.04 | 0.04 | 0.08 | 0.10 | 0.12 | 0.12 | 0.19 | 0.11 | 0.02 | 0.05 | 0.08 | 0.23 | 0.03 | 0.05 | 0.07 |
| 1.58 | 1.85 | 2.56 | 2.47 | 2.79 | 2.87 | 3.14 | 2.95 | 0.70 | 0.85 | 1.80 | 2.59 | 2.71 | 1.83 | 3.06 |
| 100.92 | 100.91 | 99.94 | 100.88 | 100.79 | 101.21 | 101.36 | 101.09 | 99.87 | 100.16 | 100.23 | 100.09 | 100.49 | 99.87 | 100.25 |
| 697 | 796 | 591 | 588 | 710 | 533 | 684 | 644 | 540 | 339 | 280 | 268 | 1036 | 806 | 643 |
| 2 | 13 | 17 | 17 | 42 | 33 | 26 | 57 | 27 | 46 | 37 | 20 | 2 | 1 | 2 |
| 1.8 | 2.9 | 2.6 | 3.0 | 2.4 | 2.9 | 3.2 | 2.0 | b.d. | 0.12 | 0.84 | 0.74 | 1.8 | 1.6 | 1.4 |
| 3.36 | 3.42 | 4.02 | 4.03 | 3.88 | 4.01 | 3.84 | 3.72 | 2.20 | 3.30 | 3.00 | 4.40 | 3.57 | 3.07 | 3.50 |
| 6.70 | 12.82 | 8.13 | 8.23 | 6.59 | 8.85 | 8.73 | 7.42 | 6.10 | 5.25 | 5.70 | 6.06 | 7.77 | 9.73 | 6.14 |
| b.d. | 7 | 9 | 9 | 15 | 14 | 13 | 25 | 5 | 8 | 8 | 6 | b.d. | b.d. | b.d. |
| 9.19 | 4.13 | 7.15 | 4.74 | 13.49 | 27.59 | 114.03 | 11.94 | 7.4 | 3.8 | 8 | 20.6 | 4.2 | 31.54 | 3.04 |
| 82.2 | 71.7 | 88.9 | 92.4 | 78.3 | 81.9 | 113 | 76.2 | 14.0 | 4.57 | 37.4 | 20.0 | 91.0 | 70.9 | 66.2 |
| 5.95 | 7.77 | 15.05 | 14.5 | 13.8 | 18.5 | 18.9 | 20.6 | 4 | 10.4 | 13.5 | 21.9 | 3.63 | 9.55 | 9.56 |
| 58.9 | 257 | 42.8 | 88.7 | 164 | 148 | 47.6 | 156 | 172 | 133 | 207 | 143 | 32.1 | 186 | 136 |
| 0.42 | 1.04 | 0.46 | 0.48 | 0.36 | 0.61 | 0.53 | 0.39 | 0.6 | 0.48 | 0.48 | 0.43 | 0.58 | 0.58 | 0.38 |
| 10.12 | 22.59 | 10.29 | 10.85 | 9.24 | 11.24 | 10.77 | 9.63 | 8.1 | 6.21 | 4.49 | 10.81 | 11.73 | 10.05 | 7.15 |
| 2.57 | 5.36 | 2.32 | 2.57 | 2.17 | 2.67 | 2.63 | 2.06 | 1.4 | 1.56 | 1.16 | 2.39 | 1.58 | 3.14 | 1.76 |
| 32 | 35 | 75 | 78 | 90 | 93 | 94 | 108 | 8 | 46 | 65 | 66 | 24 | 28 | 30 |
| 19.16 | 15.27 | 22.6 | 20.53 | 21.95 | 23.3 | 26.44 | 22.86 | 14.9 | 19.85 | 16.01 | 35.74 | 14.11 | 26.39 | 19.03 |
| 110.56 | 108.93 | 137.93 | 138.27 | 146.45 | 132.46 | 120.32 | 131.58 | 65.9 | 123 | 122.7 | 178 | 114.96 | 101.02 | 127.98 |
| 26.57 | 32.63 | 28.27 | 22.99 | 25.40 | 23.38 | 23.41 | 26.26 | 18.80 | 16.16 | 18.51 | 42.88 | 18.75 | 27.11 | 20.09 |
| 46.44 | 66.63 | 43.28 | 40.16 | 49.16 | 55.54 | 49.05 | 53.98 | 36.30 | 32.48 | 30.05 | 85.37 | 38.54 | 52.33 | 40.92 |
| 5.63 | 6.18 | 6.07 | 5.44 | 6.08 | 5.58 | 6.07 | 6.36 | 3.81 | 3.62 | 3.85 | 11.17 | 3.89 | 6.45 | 4.92 |
| 20.10 | 18.73 | 21.91 | 20.52 | 22.60 | 20.08 | 22.39 | 24.08 | 14.40 | 13.63 | 14.12 | 43.26 | 12.25 | 22.64 | 18.01 |
| 3.67 | 3.17 | 4.08 | 4.17 | 4.39 | 4.15 | 4.79 | 4.76 | 2.50 | 2.79 | 2.75 | 8.14 | 2.13 | 4.58 | 3.67 |
| 0.85 | 0.66 | 1.02 | 1.04 | 1.23 | 1.02 | 1.07 | 1.25 | 0.38 | 0.61 | 0.82 | 2.07 | 0.40 | 0.98 | 0.87 |
| 3.36 | 2.38 | 3.82 | 3.88 | 4.12 | 3.90 | 4.52 | 4.31 | 1.88 | 2.74 | 2.63 | 7.52 | 1.77 | 4.24 | 3.31 |
| 0.54 | 0.41 | 0.63 | 0.64 | 0.63 | 0.71 | 0.77 | 0.67 | 0.28 | 0.48 | 0.41 | 1.05 | 0.32 | 0.72 | 0.55 |
| 3.20 | 2.54 | 3.94 | 3.75 | 3.80 | 4.06 | 4.71 | 4.07 | 2.50 | 3.00 | 2.46 | 5.75 | 2.10 | 4.36 | 3.27 |
| 0.68 | 0.55 | 0.84 | 0.83 | 0.81 | 0.88 | 1.04 | 0.87 | 0.49 | 0.71 | 0.52 | 1.25 | 0.49 | 0.95 | 0.72 |
| 1.98 | 1.76 | 2.48 | 2.56 | 2.28 | 2.62 | 3.07 | 2.53 | 1.63 | 2.14 | 1.49 | 3.58 | 1.53 | 2.70 | 2.08 |
| 0.32 | 0.30 | 0.40 | 0.41 | 0.34 | 0.42 | 0.47 | 0.38 | 0.21 | 0.35 | 0.23 | 0.55 | 0.28 | 0.41 | 0.33 |
| 2.17 | 2.14 | 2.55 | 2.73 | 2.34 | 2.76 | 3.16 | 2.56 | 2.11 | 2.20 | 1.55 | 3.74 | 1.90 | 2.67 | 2.08 |
| 0.36 | 0.33 | 0.41 | 0.45 | 0.37 | 0.42 | 0.49 | 0.38 | 0.30 | 0.38 | 0.25 | 0.56 | 0.34 | 0.44 | 0.35 |
| 31.8 | 53.1 | 47.0 | 47.3 | 46.9 | 50.1 | 47.8 | 49.1 | 48.2 | 54.4 | 50.2 | 54.4 | 75.2 | 36.2 | 60.5 |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 3.7 | 2.4 | 3.2 | 2.6 | 3.6 | 2.5 | 2.5 | 3.3 | 2.9 | 2.9 | 3.0 | 6.6 | 2.2 | 2.6 | 3.0 |
| 1.07 | 1.22 | 1.20 | 1.18 | 1.19 | 1.13 | 0.89 | 0.98 | 0.94 | 1.57 | 1.59 | 0.78 | 1.92 | 0.78 | 1.24 |
| 14.9 | 18.6 | 13.5 | 10.3 | 13.2 | 10.3 | 9.0 | 12.5 | 10.9 | 9.0 | 14.6 | 14.0 | 12.0 | 12.4 | 11.8 |

Table DR1 (cont'd)

| VL01A | VL01A | VL01A | VL01A | VL02A | VL02A | VL02A | VL02A | VL02A | VL02A | VL02A | VL02A |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 309 | 360 | 133a | 313 | 173 | 283 | 013b | 158 | 022b | 295a | 012 | 081 |
| 466970 | 440098 | 446907 | 467207 | 474579 | 481058 | 440098 | 470197 | 446730 | 484785 | 439962 | 468746 |
| 5359300 | 5335591 | 5340466 | 5359806 | 5368625 | 5373193 | 5335591 | 5365831 | 5340544 | 5377776 | 5335514 | 5364078 |
| 12A/06 | 12A/04 | 12A/04 | 12A/06 | 12A/06 | 12A/11 | 12A/04 | 12A/06 | 12A/04 | 12A/11 | 12A/04 | 12A/06 |
| HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF | HBF |
| ftuff | ftuff | ftuff | ftuff | gran | ftuff | ftuff | ftuff | ftuff | ftuff | ftuff | ftuff |
| 6 | 5 | 3 | 3 | 3 | 3 | 6 | 3 | 6 | 3 | 3 | 3 |
| 74.80 | 70.43 | 74.16 | 75.05 | 75.43 | 76.19 | 75.13 | 70.56 | 74.28 | 70.28 | 77.43 | 64.45 |
| 0.33 | 0.34 | 0.26 | 0.33 | 0.28 | 0.35 | 0.33 | 0.34 | 0.37 | 0.39 | 0.17 | 0.37 |
| 12.24 | 14.78 | 13.26 | 11.87 | 12.79 | 8.28 | 11.81 | 15.53 | 12.05 | 14.99 | 12.78 | 15.55 |
| 3.34 | 2.97 | 2.44 | 3.22 | 2.09 | 7.06 | 3.48 | 2.98 | 3.82 | 3.79 | 1.02 | 5.80 |
| 0.05 | 0.07 | 0.19 | 0.07 | 0.12 | 0.60 | 0.06 | 0.05 | 0.06 | 0.08 | 0.05 | 0.10 |
| 1.15 | 1.74 | 0.96 | 1.17 | 0.54 | 1.16 | 1.12 | 1.07 | 1.10 | 1.41 | 0.56 | 2.60 |
| 0.86 | 0.31 | 1.14 | 1.45 | 1.50 | 0.82 | 0.59 | 0.67 | 0.70 | 0.58 | 0.34 | 2.76 |
| 3.63 | 2.58 | 4.68 | 2.48 | 4.81 | 1.95 | 2.58 | 3.08 | 2.53 | 3.21 | 4.21 | 5.82 |
| 1.55 | 4.09 | 1.84 | 2.57 | 1.72 | 2.58 | 2.53 | 3.80 | 2.97 | 3.11 | 2.26 | 0.48 |
| 0.05 | 0.06 | 0.06 | 0.06 | 0.04 | 0.07 | 0.05 | 0.07 | 0.04 | 0.08 | 0.03 | 0.07 |
| 1.80 | 2.54 | 1.09 | 1.82 | 0.57 | 0.68 | 2.10 | 1.66 | 1.90 | 1.89 | 1.18 | 2.09 |
| 99.86 | 99.92 | 100.09 | 100.11 | 99.90 | 99.76 | 99.86 | 99.82 | 99.90 | 99.81 | 100.04 | 100.10 |
| 470 | 877 | 396 | 912 | 821 | 305 | 647 | 846 | 619 | 763 | 521 | 206 |
| 3 | 8 | 47 | 46 | 35 | 72 | 7 | 32 | 7 | 34 | 29 | 26 |
| 0.90 | 3.1 | 0.90 | 2.1 | 2.4 | 11.9 | 1.7 | 3.9 | 2.1 | 3.4 | 1.4 | 0.67 |
| 3.10 | 4.24 | 3.50 | 3.40 | 3.40 | 1.70 | 4.10 | 3.70 | 3.00 | 3.90 | 4.40 | 2.00 |
| 6.70 | 9.16 | 7.57 | 6.80 | 7.54 | 6.82 | 7.30 | 9.39 | 7.40 | 8.88 | 18.52 | 4.74 |
| 3 | b.d. | 8 | 7 | 5 | 31 | 6 | 8 | 5 | 11 | 6 | 11 |
| 4.4 | 17.75 | 23.7 | 29 | 20 | 5.4 | 8.5 | 42 | 4.5 | 19.9 | 4.7 | 11.1 |
| 46.1 | 123 | 52.5 | 72.0 | 63.8 | 167 | 75.5 | 136 | 89.6 | 117 | 81.6 | 10.5 |
| 8 | 12.3 | 16.3 | 15.1 | 9.97 | 11.8 | 8 | 15.2 | 9 | 18.1 | 5 | 23.1 |
| 89.2 | 48.8 | 93.6 | 145 | 168 | 101 | 60.3 | 104 | 50.7 | 146 | 132 | 283 |
| 0.4 | 0.57 | 0.7 | 0.61 | 0.46 | 0.56 | 0.4 | 0.6 | 0.5 | 0.77 | 1.27 | 0.52 |
| 9.1 | 9.73 | 8.05 | 7.96 | 9.26 | 5.25 | 7.7 | 11.46 | 7.7 | 9.28 | 14.11 | 4.79 |
| 1.9 | 2.54 | 1.86 | 1.93 | 1.88 | 2.47 | 1.9 | 2.84 | 2.5 | 2.21 | 3.24 | 1.24 |
| 44 | 45 | 46 | 73 | 25 | 47 | 49 | 56 | 61 | 71 | 109 | 139 |
| 21.9 | 25.45 | 25.46 | 21.41 | 22.69 | 21.46 | 16.2 | 29.19 | 22.9 | 27.98 | 27.6 | 16.12 |
| 111 | 154.16 | 129.5 | 131.8 | 119.4 | 60.5 | 134.6 | 126.9 | 135.6 | 126 | 113.5 | 80.8 |
| 28.20 | 26.52 | 24.15 | 24.66 | 29.80 | 23.54 | 26.10 | 34.49 | 26.90 | 27.83 | 37.08 | 16.22 |
| 48.50 | 51.32 | 46.80 | 46.90 | 58.16 | 54.39 | 48.10 | 65.29 | 50.20 | 52.75 | 78.29 | 32.20 |
| 5.59 | 6.33 | 5.56 | 5.70 | 6.85 | 5.49 | 5.38 | 7.63 | 5.87 | 6.44 | 9.50 | 3.61 |
| 21.40 | 22.08 | 20.43 | 20.63 | 25.27 | 21.55 | 20.80 | 26.93 | 21.40 | 23.61 | 35.39 | 13.69 |
| 3.90 | 4.48 | 4.03 | 3.88 | 4.60 | 4.63 | 3.60 | 5.23 | 3.50 | 4.87 | 6.61 | 2.96 |
| 0.89 | 1.03 | 0.77 | 0.93 | 1.19 | 1.01 | 0.72 | 1.04 | 0.86 | 1.03 | 1.15 | 0.77 |
| 3.31 | 4.09 | 4.02 | 3.59 | 3.98 | 5.01 | 2.62 | 4.69 | 3.51 | 4.76 | 5.17 | 2.61 |
| 0.51 | 0.67 | 0.64 | 0.57 | 0.61 | 0.76 | 0.49 | 0.78 | 0.49 | 0.73 | 0.71 | 0.41 |
| 3.70 | 4.19 | 4.12 | 3.48 | 3.66 | 4.46 | 3.00 | 4.61 | 4.18 | 4.43 | 4.44 | 2.54 |
| 0.67 | 0.92 | 0.85 | 0.74 | 0.74 | 0.78 | 0.62 | 1.05 | 0.69 | 1.01 | 1.00 | 0.54 |
| 2.15 | 2.61 | 2.65 | 2.25 | 2.28 | 2.26 | 1.54 | 3.07 | 2.30 | 2.88 | 3.21 | 1.71 |
| 0.38 | 0.42 | 0.44 | 0.35 | 0.35 | 0.36 | 0.30 | 0.42 | 0.33 | 0.44 | 0.53 | 0.26 |
| 2.04 | 2.70 | 2.72 | 2.27 | 2.37 | 2.06 | 2.23 | 2.94 | 2.89 | 2.95 | 3.65 | 1.70 |
| 0.30 | 0.46 | 0.44 | 0.38 | 0.39 | 0.33 | 0.42 | 0.49 | 0.36 | 0.44 | 0.58 | 0.28 |
| 42.9 | 56.1 | 46.2 | 44.2 | 36.0 | 26.4 | 41.2 | 43.9 | 38.6 | 44.8 | 54.5 | 49.4 |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 |
| 3.9 | 2.7 | 3.0 | 3.4 | 3.7 | 3.2 | 3.3 | 3.4 | 3.4 | 2.9 | 1.9 | 3.2 |
| 1.01 | 1.22 | 1.14 | 1.21 | 0.92 | 0.46 | 1.33 | 0.86 | 1.38 | 0.92 | 0.61 | 0.97 |
| 16.9 | 12.0 | 10.8 | 13.3 | 15.3 | 13.9 | 14.3 | 14.3 | 11.4 | 11.5 | 12.4 | 11.6 |

Table DR1 (cont'd)

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