Appendix. Foraminiferal data (number of specimen per sample). In brackets sediment depth in cm. *RDS species

	Core 12a	Core 12b										
Species	12a (0) live	12b (0)	12b (10)	12b (20)	12b (30)	12b (40)	12b (50)	12b (60)	12b (70)	12b (80)	12b (90)	12b (98)
Adelosina cliarensis (Heron-Allen and Earland)	1	33	10	16	16	16	16	18	16	24	22	37
Adelosina duthiersi Schlumberger*	0	1	1	1	5	2	0	3	7	3	9	6
Adelosina elegans (Williamson)	0	0	0	0	0	0	1	0	0	0	0	0
Adelosina mediterranensis (Le Calvez J. and Y.)	0	0	0	0	0	0	0	0	4	0	0	3
Adelosina partschi (d'Orbigny)*	0	1	0	4	8	8	9	8	0	5	8	20
Adelosina pulchella d'Orbigny	1	23	0	3	1	0	10	11	16	15	4	6
Adelosina sp.1	0	0	0	0	0	0	0	0	0	0	0	0
Ammonia beccarii (Linnaeus)	1	1	12	14	13	13	4	10	9	6	6	13
Ammonia parkinsoniana (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	1	0
Ammonia tepida (Cushman)	2	36	22	8	7	14	14	16	13	12	16	11
Amphycorina scalaris (Batsch)*	0	0	0	0	0	0	0	0	0	0	0	0
Angulogerina angulosa (Williamson)*	0	0	0	0	0	0	0	0	0	0	0	0
Astacolus crepidulus (Fichtel et Moll)	0	0	0	0	0	0	0	0	0	0	0	0
Asterigerinata mamilla (Williamson)	0	3	1	0	0	1	2	0	0	2	2	4
Astrononion stelligerum (d'Orbigny)	0	4	8	3	0	0	1	3	0	0	0	0
Bigenerina nodosaria d'Orbigny*	0	0	0	0	0	0	0	0	0	0	0	0
Biloculinella globula (Bornemann)*	0	0	0	0	0	0	0	0	0	0	0	0
Biloculinella inflata (Wright)*	0	0	0	0	0	0	0	0	0	0	0	0
Biloculinella labiata (Schlumberger)*	0	0	0	0	0	0	0	0	0	0	0	0
*Bolivina variabilis (*Williamsion)	0	0	0	0	0	0	0	0	0	0	0	0
Brizalina alata (Seguenza)*	0	0	0	0	0	0	0	0	0	0	0	0
Brizalina spathulata (Williamson)	1	1	0	0	0	1	2	2	0	0	2	2
Brizalina striatula (Cushman)*	0	0	0	0	0	0	0	0	0	0	0	0
Buccella frigida Cushman	0	0	0	0	0	0	0	0	0	0	0	0
Bulimina aculeata d'Orbigny*	0	0	0	0	0	0	0	0	0	0	0	0
Bulimina elongata d'Orbigny*	0	1	0	0	0	1	2	3	0	0	1	0
Bulimina marginata d'Orbigny	0	0	0	0	0	1	0	0	0	0	0	0
Cassidulina carinata Silvestri*	0	0	0	0	0	0	0	0	0	0	0	0
Challengerella bradyi Billman, Hottinger and Oeste	0	0	0	1	2	0	0	2	1	0	2	5
Cibicides advenum (d'Orbigny)	0	0	0	1	0	0	0	0	1	1	1	0
Connemarella rudis (Wright)*	0	0	0	0	0	0	0	0	0	0	0	0
Conorbella patelliformis (Brady)	0	0	0	0	0	0	0	0	0	0	0	0
Cornuspira involvens (Reuss)	0	7	3	3	1	2	2	2	0	5	1	0
Coscinospira hemprichii Ehrenberg	0	0	0	0	0	0	0	0	0	0	0	0

Cribroelphidium poeyanum (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Cycloforina tenuicollis (Wiesner)	0	1	0	0	0	0	0	1	0	0	2	3
Cymbaloporetta squamosa (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Dentalina flintii (Cushman)	0	0	0	0	0	0	0	0	0	0	0	0
Discorbinella bertheloti (d'Orbigny)	0	0	0	1	1	0	0	0	0	0	1	5
Eggerelloides scabrus (Williamson)	0	0	0	0	0	0	0	0	0	0	0	0
Elphidium advenum (Cushman)	0	16	29	24	24	18	20	18	17	18	29	18
Elphidium crispum (Linnaeus)	0	19	16	24	31	12	3	4	6	3	17	23
Elphidium jenseni (Cushman)	0	0	0	0	1	1	0	1	0	0	0	1
Elphidium macellum (Fichtel and Moll)	0	0	0	0	0	0	0	0	0	0	0	0
Elphidium sp. 5	0	0	0	0	0	0	0	0	0	0	0	0
Eponides concameratus (Williamson)	0	0	0	0	0	0	0	0	0	0	0	0
Favulina hexagona (Montagu)*	0	0	0	0	0	0	0	0	0	0	0	0
Fissurina lucida (Williamson)	0	0	0	0	0	0	0	0	0	0	0	0
Fissurina orbignyana (Seguenza)	0	0	0	0	0	0	0	0	0	0	0	0
Furssenkoina acuta (d'Orbigny)	0	2	0	0	0	0	0	0	0	0	0	0
Gavelinopsis praegeri (Heron-Allen and Earland)	0	1	1	1	1	0	3	0	0	0	0	0
Globocassidulina subglobosa (Brady)*	0	0	0	0	0	0	0	0	0	0	0	0
Guttulina lactea (Walker and Jacob)	0	0	0	0	0	0	0	0	0	0	0	0
Haynesina depressula (Walker and Jacob)	0	12	23	16	11	12	19	18	8	14	17	8
Heterocyclina tuberculata (Möbiuls)	0	0	0	0	0	0	0	0	0	0	0	0
Lachlanella undulata (d'Orbigny)	0	0	0	0	0	0	1	0	1	0	0	2
Lachlanella variolata (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Lagena laevis (Montagu)*	0	0	0	0	0	0	0	0	0	0	0	0
Lagena nebulosa Cushman*	0	0	0	0	0	0	0	0	0	0	0	0
Lagena striata (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Lagena strumosa Reuss	0	0	1	0	0	0	0	0	0	0	0	0
Lagenammina fusiformis (Williamson)*	0	2	0	0	0	0	0	0	0	0	0	0
Lenticulina gibba (d'Orbigny)*	0	0	0	0	0	0	0	0	0	0	0	0
Lobatula lobatula (Walker and Jacob)	0	0	0	0	0	0	0	0	0	0	0	0
Miliolinella elongata Kruit	0	0	0	0	0	0	0	0	0	0	0	0
Miliolinella subrotunda (Montagu)	0	0	0	0	0	0	0	0	0	0	0	1
Neoconorbina terquemi (Rzehak)	0	1	0	0	0	0	0	0	0	0	1	0
Neoeponides bradyi (Le Calvez)	0	22	22	24	21	16	13	3	13	17	10	6
Nonionella turgida (Williamson)*	0	0	0	0	2	0	1	3	1	0	5	1
Nonionides grateloupi (d'Orbigny)	0	0	0	0	0	3	0	0	2	0	0	2
Nubeculina divaricata (Brady)	0	0	0	0	0	0	0	0	0	0	0	0

Parafissurina stphyllearia (Schwager)	0	0	0	0	0	0	0	0	0	0	0	0
Parrina bradyi (Millett)	0	0	0	0	0	0	0	0	0	0	0	0
Pararotalia spinigera (Le Calvez)	0	0	0	0	0	0	0	0	0	0	0	0
Planorbulinella mediterranensis (d'Orbigny)	0	2	2	0	0	0	0	0	0	0	0	0
Planulina ariminensis d'Orbigny*	0	0	0	0	0	0	0	0	0	0	0	0
Polymorphina sp.1	0	0	0	0	0	0	0	0	0	0	0	0
Polymorphina sp.3	0	0	0	0	0	0	0	0	0	0	0	0
Poroeponides lateralis (Terquem)	0	0	0	0	0	0	0	0	0	0	0	0
Porosononion martkobi (Bogdanowicz)	1	53	60	70	119	138	130	130	125	119	98	86
Pseudotriloculina laevigata (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotriloculina oblonga (Montagu)	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotriloculina rotunda (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotriloculina subgranulata (Cushman)	0	0	0	0	0	0	0	0	0	0	0	0
Pyrgo elongata (d'Orbigny)*	0	0	0	0	0	0	0	0	0	0	0	0
Pyrgo inornata (d'Orbigny)*	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina berthelotiana d'Orbigny	0	0	0	0	0	1	0	0	0	0	0	0
Quincueloculina bosciana d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina disparilis d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina laevigata d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina lamarckiana d'Orbigny	0	0	0	0	0	0	1	0	0	0	0	0
Quinqueloculina longirostra d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina patagonica d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina phoenicia Colom	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina seminulum (Linnaeus)	1	3	2	0	2	4	6	6	7	3	4	0
Quinqueloculina stelligera Schlumberger	0	0	0	0	0	0	0	0	0	0	0	0
Quinqueloculina viennensis Le Calvez	0	0	0	0	0	0	0	0	0	0	0	0
Rectuvigerina phlegeri Le Calvez*	11	1	0	0	0	2	10	4	4	6	5	9
Reophax scorpiurus Montfort	0	0	0	0	0	0	0	0	0	0	0	0
Reussella spinulosa (Reuss)	0	10	1	4	8	13	7	5	4	11	16	14
Rosalina bradyi (Cushman)	1	2	5	3	1	2	1	0	1	2	1	6
Rosalina globularis d'Orbigny	0	0	0	0	3	0	0	0	0	0	0	0
Rosalina macropora (Hofker)	0	0	0	0	0	0	0	0	0	0	0	0
Sigmoilinita costata (Schlumberger)	0	1	0	0	1	2	0	1	0	0	1	12
Sigmoilinita edwardsi	0	0	0	0	0	0	0	0	0	0	0	0
Sigmoilinita tenuis (Gzjzek)	0	0	0	0	0	0	0	0	0	0	0	0
Sigmoilinopsis schlumbergeri (Silvestri)	0	0	0	0	0	0	0	0	0	0	1	0
Siphonaperta agglutinans (d'Orbigny)	0	1	1	0	1	0	0	0	0	0	0	1

Siphonaperta aspera (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Siphonina reticulata (Czjzek)	0	0	0	0	0	0	0	0	0	0	0	0
Siphotextularia concava (Karrer)*	0	0	0	0	0	0	0	0	0	0	0	0
Sorites orbiculus Ehrenberg	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerogypsina globula (Reuss)	0	0	0	0	0	0	0	0	0	0	0	0
Spiroloculina angulosa (Terquem)	0	0	0	0	0	0	0	0	0	0	0	0
Spiroloculina antillarum d'Orbigny	0	0	1	0	0	0	0	0	0	0	0	0
Spiroloculina depressa d'Orbigny	0	0	0	0	0	1	0	0	0	0	0	1
Spiroloculina dilatata d'Orbigny	0	1	0	2	1	0	0	0	1	1	0	1
Spiroloculuna excavata d'Orbigny	0	11	1	2	1	1	0	0	2	0	1	12
Spiroloculina ornata d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Spiroloculuna tenuiseptata Brady	0	0	0	0	0	0	0	0	0	0	0	0
Spiroplectinella sagittula (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Stainforthia complanata (Egger)	0	0	0	0	0	0	0	0	0	0	0	0
Textularia bocki Höglund	0	21	7	10	8	12	12	19	23	17	10	4
Textularia foliacea (Heron-Allen and Earland)	0	0	0	0	0	0	0	0	0	0	0	0
Textularia truncata Hoglund	0	0	0	0	0	0	0	0	0	0	0	0
Tretomphalus bulloides (d'Orbigny)	0	0	0	0	0	0	0	0	0	0	0	0
Triloculina bermudezi Acosta	0	0	0	0	0	0	0	0	0	0	0	0
Triloculina dubia d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Triloculina marioni Schlumberger	0	1	0	4	5	0	3	1	2	0	2	7
Triloculina plicata Terquem	0	0	0	0	0	0	0	0	0	0	0	0
Triloculina schreiberiana d'Orbigny	0	0	0	0	0	0	0	0	0	0	0	0
Triloculina serrulata McCulloch	0	0	0	0	0	0	0	0	1	0	0	1
Triloculina tricarinata d'Orbigny	0	9	0	0	3	3	6	8	15	15	15	9
Triloculina trigonula (Lamarck)	0	0	0	0	0	0	0	0	0	0	0	0
Valvulineria bradyana (Fornasini)*	0	0	0	0	0	0	0	0	0	0	0	0
Vertebralina striata d'Orbigny	0	0	0	0	1	0	1	0	0	0	0	0
Globigerinoides ruber (d'Orbigny)	0	2	3	7	8	9	9	8	9	10	12	13
Number benthic counted	20	303	229	239	299	300	300	300	300	299	311	340
P/B	0	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
RDS (sum)	11	6.00	1.00	5.00	15.00	13.00	22.00	21.00	12.00	14.00	28.00	36.00
RDS (%)	55	1.98	0.44	2.09	5.02	4.33	7.33	7.00	4.00	4.68	9.00	10.59
A. tepida (%)	10	11.88	9.61	3.35	2.34	4.67	4.67	5.33	4.33	4.01	5.14	3.24

Core 16a	Core 16b							Core 51a							
16a (0) live	16 (0)	16 (10)	16 (18)	16 (20)	16 (30)	16 (40)	16 (48)	51a (0) live	51 (0)	51 (10)	51 (20)	51 (30)	51 (40)	51 (50)	51 (60)
0	8	8	11	5	10	7	5	4	27	26	36	48	51	59	36
0	2	1	1	4	0	0	1	0	0	1	0	2	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	5	2	1	2	3	0	1	0	0	0	0	0	8	0	0
0	0	0	0	0	0	0	1	1	0	0	3	2	2	2	2
0	0	0	1	4	4	1	0	2	2	2	8	2	8	4	0
0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	30	16	2	5	3	0	0	0	3	0	2	13	6	10	5
0	0	0	0	0	1	3	0	7	0	0	0	0	0	0	0
1	18	14	12	10	8	8	7	7	6	16	58	46	44	40	38
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	26	14	34	23	40	51	37	1	0	0	1	0	0	1	0
0	7	0	0	0	0	0	0	0	0	1	3	0	3	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	12	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	5	1	8	9	10	12	3	6	9	2	0	1	1	0
0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	3	5	9	4	17	22	10	0	3	3	2	2
0	0	5	0	4	3	5	9	0	6	29	6	0	1	0	0
0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	8	10	7	6	1	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	1	1	6	2	0	3	0	0	1	0	1	3	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

0	0	4	1	13	18	11	17	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0
0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	35	36	17	8	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	4	5	4	4	1	2	0	18	13	17	10	14	13	13
2	15	16	16	23	6	8	6	0	2	0	0	0	1	1	3
0	1	0	0	3	0	0	0	0	2	1	2	4	0	0	1
0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	2	1	3	4	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0
0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	2	0	3	5	4	2	0	3	3	1	1	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	9	9	2	7	9	5	1	7	10	16	13	12	3	9	19
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	8	2	2	2	1	3	7	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4	0	4	1	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	3	3	8	1	4	5	0	0	2	0	1	0	2	4
0	0	0	7	4	7	10	16	0	0	0	0	0	0	0	0
1	12	22	28	15	17	13	11	0	5	7	9	8	4	4	1
0	0	0	0	0	4	7	1	1	1	0	0	1	0	1	0
0	0	0	0	0	1	1	4	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	1	1	0	0	1	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4	30	28	30	30	45	42	39	19	120	100	89	92	75	95	79
0	0	4	1	0	0	0	1	0	0	0	0	0	0	0	0
0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	1	2	0	1	2	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0	0	3	1	6
0	0	0	0	0	0	0	0	2	8	4	11	8	12	9	13
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	1	4	4	4	2	0	0	1	0	0	0	0	0
10	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
3	1	10	13	11	20	8	16	5	15	2	10	10	7	1	11
0	22	2	4	5	10	17	16	0	2	0	1	2	3	1	0
0	0	1	0	0	1	1	0	0	2	0	0	1	2	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	4	1	0	6	6	4	9	0	0	0	2	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	3	2	0	1	0	0	0	1	0	0	0	0	0	0
0	1	0	0	1	0	2	3	0	0	0	1	0	8	0	0

0	0	1	0	1	0	7	7	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	2	0	0	0	0	0	0	4	4	2	4	12	10	6
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	17	12	12	8	12	12	16	3	30	26	20	21	36	25	34
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	14	18	13	12	7	15	19	1	2	4	1	0	1	2	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
0	0	2	1	4	3	2	4	0	0	0	0	0	0	0	0
0	6	0	0	0	3	20	0	0	0	3	2	6	7	2	1
0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0
0	2	3	3	6	7	8	8	0	15	8	3	8	6	20	22
37	295	263	263	270	303	299	293	101	303	283	300	300	328	296	283
-	0.01	0.01	0.01	0.02	0.02	0.03	0.03	-	0.05	0.03	0.01	0.03	0.02	0.07	0.08
10.00	5.00	2.00	3.00	11.00	17.00	20.00	10.00	24.00	25.00	12.00	3.00	8.00	6.00	5.00	4.00
27.03	1.69	0.76	1.14	4.07	5.61	6.69	3.41	23.76	8.25	4.24	1.00	2.67	1.83	1.69	1.41
2.70	6.10	5.32	4.56	3.70	2.64	2.68	2.39	6.93	1.98	5.65	19.33	15.33	13.41	13.51	13.43

Core 51b								Core 80a	Core 80b						
51 (70)	51 (80)	51 (90)	51 (100)	51 (110)	51 (120)	51 (130)	51 (138)	80 (0) live	80 (0)	80 (10)	80 (20)	80 (30)	80 (40)	80 (50)	80 (60)
42	44	32	57	59	33	9	27	0	12	6	6	10	5	5	7
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	1	1	0	0	1	2	1	0	8
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	10	6	5	5	6	15	6	0	7	5	16	3	3	9	4
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
32	24	22	18	16	16	18	18	1	55	56	48	50	8	8	8
0	0	0	0	0	0	0	0	0	0	1	1	1	8	6	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4	0	2	0	4	0
3	0	2	0	0	3	4	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	8	1	2	1	1	0	0	0	1	0	4	2	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1
6	6	2	10	0	8	7	8	0	1	1	1	0	4	2	0
2	2	0	0	6	0	1	3	1	10	8	3	7	6	5	8
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5	8	4	7	7	10	10
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	1	3	7	8	8	4	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4	3	1	4	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	19	23	30	19	15	17	29	0	2	8	9	4	5	0	3
5	2	5	3	0	7	9	15	4	9	3	7	5	4	7	11
2	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
0	0	0	0	0	0	0	0	0	2	0	0	3	1	1	0
0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	18	9	8	6	4	11	10
0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	2
0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
11	14	14	12	7	6	12	7	2	15	8	10	14	15	5	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	1	0	0	0	0	0	0	1	0	4	5	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	5	0	1	1	1	0	0	6	10	8	12	4	5	1	4
2	1	2	2	4	1	1	0	0	0	1	0	1	5	5	5
0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
2	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	4	0	1	2	0	1	3
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	130	126	120	124	128	144	107	0	100	100	98	86	170	190	196
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	2	0	2	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	5	9	4	3	9	7	5	0	0	0	0	0	0	0	0
12	6	20	11	9	10	12	12	0	5	0	2	2	1	0	7
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	4	0	0	0	0	4	3	3
0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
0	3	1	2	15	6	0	0	4	5	8	11	6	2	4	7
0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	3	3	1	3	2
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	2	1	4	4	6	3
0	0	0	0	0	0	0	0	0	4	4	2	3	1	3	0
6	11	5	9	6	5	1	1	0	0	0	0	0	0	0	0

0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	3	2	2	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	9	4	2	4	6	0	3	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	1	0	0	1	0	0	0	1	0	0	0	0	1	0
51	50	25	15	31	26	21	29	4	34	40	37	10	19	11	14
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	0	0	1	3	0	4	5	5	11	6	17	10
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	3	0	3	2	4	6	8	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	56	40	33	22	18	19	13	0	2	1	1	6	7	8	8
298	355	301	320	314	299	295	288	47	319	299	301	272	328	339	346
0.15	0.16	0.13	0.10	0.07	0.06	0.06	0.05	-	0.01	0.00	0.00	0.02	0.02	0.02	0.02
11.00	9.00	5.00	12.00	4.00	9.00	8.00	8.00	7.00	5.00	4.00	2.00	6.00	38.00	29.00	19.00
3.69	2.54	1.66	3.75	1.27	3.01	2.71	2.78	14.89	1.57	1.34	0.66	2.21	11.59	8.55	5.49
10.74	6.76	7.31	5.63	5.10	5.35	6.10	6.25	2.13	17.24	18.73	15.95	18.38	2.44	2.36	2.31

						Core 138a	Core 138b							
80 (70)	80 (80)	80 (90)	80 (100)	80 (110)	80 (120)	138 (0) live	138 (0)	138 (10)	138 (20)	138 (30)	138 (40)	138 (50)	138 (60)	138 (68)
4	14	7	5	4	1	2	9	10	2	5	1	5	5	5
2	1	1	1	2	1	0	2	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	2	0	0	0	0	1	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	12	1	3	10	9	0	9	0	8	6	5	3	4	4
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
6	10	8	9	7	8	0	12	15	18	17	10	0	0	0
1	1	1	1	1	1	0	0	1	0	0	1	3	0	0
0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
0	2	0	0	0	0	1	8	5	16	16	15	3	18	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	0	0	0	1	2	0	2	1	1
2	1	1	0	0	0	0	1	0	0	0	0	1	3	3
0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
0	0	0	1	1	0	0	4	2	2	4	2	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	33	4	9	1	2	0	2	12	6	17	10	10
0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	1	1	1	0	0	0	0	0	0	0	0	0
0	0	2	2	1	0	0	0	0	0	0	5	11	10	11
3	0	9	5	8	5	1	0	5	1	2	8	2	17	17
0	1	1	0	0	0	0	3	0	6	1	2	35	59	59
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
9	8	13	10	10	8	0	11	12	14	16	12	4	2	2
0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	4	2	6	4	1	0	13	2	0	1	4	0	2	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	7	0	13	1	1	26	32	38	30	37	17	12	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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7	13	5	12	9	9	2	9	10	11	20	15	9	11	11
0	0	0	0	0	0	0	2	0	0	4	0	5	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	2	0	2	2	0	0	0
0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
2	2	0	0	0	1	0	3	1	0	0	2	0	0	0
2	1	6	0	1	2	0	2	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
8	0	9	4	12	4	2	11	3	0	7	0	3	4	4
1	1	1	1	1	1	1	7	4	2	0	1	3	0	0
0	0	2	2	0	0	0	0	2	0	0	1	0	0	0
14	19	10	11	9	9	1	13	2	14	2	7	0	8	8
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	1	3	1	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	4	0	1	0	0	0	0	0	0
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3	1	0	0	0	0	0	0	1	0	2	0	0	0	0
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1	1	0	1	1	0	0	1	2	0	1	1	3	1	1
0	0	0	0	0	0	0	2	1	2	4	5	17	6	6
1	4	12	4	3	0	0	7	15	18	10	15	3	4	4
4	4	4	1	1	1	0	4	0	0	8	4	7	4	4
5	0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

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0	1	0	0	1	0	1	2	5	7	1	6	0	1	1
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0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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200	195	188	178	172	178	0	40	43	38	40	80	86	87	67
0	2	0	0	0	0	0	4	1	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	1	0	0	0	1	0	0	1	0	0
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3	3	2	2	2	2	0	0	0	1	1	0	0	3	2
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
2	9	11	15	9	11	0	10	12	9	15	27	13	10	10
0	0	0	0	0	0	0	10	0	0	3	4	6	13	13
0	1	0	1	0	0	0	3	0	0	1	6	2	0	0
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0	0	0	0	1	0	0	4	3	4	2	2	0	2	2
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2	1	2	3	2	1	0	1	3	1	0	0	2	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	2	1	0	2	0	0	0
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0	0	0	0	0	0	0	1	2	1	1	0	1	3	3
0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
0	0	1	0	1	1	0	0	0	1	0	1	0	0	0
9	17	18	19	19	15	0	14	26	20	11	15	14	4	4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	9	8	6	7	1	1	7	8	5	5	6	5	2	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	2	3	4	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	6	5	5	5	4	0	13	14	12	15	18	34	48	48
338	356	348	347	329	289	28	277	261	268	278	324	303	329	307
0.02	0.02	0.01	0.01	0.02	0.01	-	0.05	0.05	0.04	0.05	0.06	0.11	0.15	0.16
17.00	15.00	15.00	12.00	12.00	9.00	5.00	23.00	12.00	19.00	19.00	17.00	67.00	89.00	87.00
5.03	4.21	4.31	3.46	3.65	3.11	17.86	8.30	4.60	7.09	6.83	5.25	22.11	27.05	28.34
1.78	2.81	2.30	2.59	2.13	2.77	-	4.33	5.75	6.72	6.12	3.09	-	-	-