Seasonal migration of marsupial megafauna in Pleistocene Sahul (Australia – New Guinea)

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**Table S1.** U-series isotopic and concentration data for the *Diprotodon* incisor (QMF3452) from the Darling Downs, Queensland, Australia.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Name | U (ppm) | 232Th (ppb) | (230Th/ 232Th) | (230Th/238U) | (234U/ 238U) | Uncorr. Age (ka) | corr. Age (ka) | corr. Initial (234U/ 238U) |
| Cross-section 1 |  |  |  |  |  |  |  |  |
| DIP-A | 28.23 ± 0.03 | 42.46 ± 0.19 | 2799 | 1.3877 ±0.0055 | 1.3950 ± 0.0007 | 273 ± 4 | 273 ± 4 | 1.854 ± 0.009 |
| DIP-B | 28.76 ± 0.01 | 5.97 ± 0.05 | 20361 | 1.3924 ± 0.0058 | 1.3994 ± 0.0013 | 273 ± 4 | 273 ± 4 | 1.863 ± 0.010 |
| DIP-C | 28.86 ± 0.02 | 3.07 ± 0.03 | 38895 | 1.3654 ± 0.0046 | 1.3953 ± 0.0015 | 258 ± 3 | 258 ± 3 | 1.819 ± 0.007 |
| DIP-D | 18.56 ± 0.01 | 52.49 ± 0.17 | 1857 | 1.7316 ± 0.0062 | 1.4271 ± 0.0020 | - | - | - |
| DIP-E | 19.60 ± 0.02 | 152.86 ± 0.38 | 709 | 1.8227 ± 0.0061 | 1.4397 ± 0.0019 | - | - | - |
| DIP-F | 15.77 ± 0.01 | 181.18 ± 0.57 | 458 | 1.7330 ± 0.0077 | 1.4436 ± 0.0020 | - | - | - |
| DIP-G | 27.71 ± 0.02 | 25.30 ± 0.09 | 5479 | 1.6488 ± 0.0050 | 1.4304 ± 0.0016 | - | - | - |
| DIP-H | 38.35 ± 0.03 | 3.71 ± 0.08 | 44803 | 1.4295 ± 0.0046 | 1.4059 ± 0.0017 | 295 ± 4 | 295 ± | 1.935 ± 0.010 |
| Cross-section 2 |  |  |  |  |  |  |  |  |
| DIP-21 | 40.53 ± 0.02 | 2.45 ± 0.04 | 73220 | 1.4560 ± 0.0028 | 1.4440 ± 0.0009 | 280 ± 2 | 280 ± 2 | 1.978 ± 0.006 |
| DIP-22 | 29.58 ± 0.01 | 3.11 ± 0.05 | 4824 | 1.6703 ± 0.0033 | 1.4722 ± 0.0015 | 672 ± 49 | 672 ± 49 | 4.142 ± 0.426 |
| DIP-23 | 30.70 ± 0.01 | 2.20 ± 0.04 | 64036 | 1.5091 ± 0.0027 | 1.4604 ± 0.0016 | 306 ± 3 | 306 ± 3 | 2.091 ± 0.007 |
| DIP-24 | 32.57 ± 0.02 | 2.37 ± 0.06 | 62145 | 1.4918 ± 0.0035 | 1.4557 ± 0.0015 | 296 ± 3 | 296 ± 3 | 2.051 ± 0.008 |
| DIP-25 | 33.72 ± 0.02 | 15.17 ± 0.05 | 10168 | 1.5079 ± 0.0023 | 1.4532 ± 0.0010 | 313 ± 2 | 313 ± 2 | 2.095 ± 0.007 |
| DIP-26 | 32.22 ± 0.01 | 3.62 ± 0.03 | 40617 | 1.5058 ± 0.0025 | 1.4521 ± 0.0011 | 312 ± 3 | 312 ± 3 | 2.090 ± 0.007 |
| DIP-27 | 22.94 ± 0.01 | 66.05 ± 0.10 | 1465 | 1.3909 ± 0.0032 | 1.4291 ± 0.0013 | 249 ± 2 | 249 ± 2 | 1.868 ± 0.005 |
| DIP-28 | 31.81 ± 0.01 | 23.25 ± 0.07 | 6054 | 1.4585 ± 0.0029 | 1.4296 ± 0.0014 | 295 ± 3 | 295 ± 3 | 1.988 ± 0.007 |
| DIP-29 | 23.26 ± 0.02 | 47.56 ± 0.09 | 2118 | 1.4279 ± 0.0031 | 1.4180 ± 0.0014 | 282 ± 3 | 282 ± 3 | 1.927 ± 0.006 |
| DIP-30 | 38.23 ± 0.02 | 9.50 ± 0.04 | 17601 | 1.4411 ± 0.0024 | 1.4266 ± 0.0010 | 284 ± 2 | 284 ± 2 | 1.952 ± 0.005 |
| DIP-31 | 34.43 ± 0.02 | 16.12 ± 0.06 | 9347 | 1.4420 ± 0.0025 | 1.4275 ± 0.0010 | 284 ± 2 | 284 ± 2 | 1.953 ± 0.005 |
| DIP-32 | 26.03 ± 0.01 | 34.85 ± 0.08 | 2858 | 1.2613 ± 0.0019 | 1.4044 ± 0.0015 | 200 ± 1 | 200 ± 1 | 1.712 ± 0.002 |
| DIP-33 | 28.26 ± 0.01 | 22.19 ± 0.07 | 5014 | 1.2976 ± 0.0019 | 1.4106 ± 0.0013 | 213 ± 1 | 213 ± 1 | 1.749 ± 0.002 |
| DIP-34 | 31.13 ± 0.01 | 3.41 ± 0.05 | 36869 | 1.3304 ± 0.0030 | 1.4205 ± 0.0010 | 223 ± 1 | 223 ± 1 | 1.789 ± 0.003 |
| DIP-35 | 33.07 ± 0.01 | 4.28 ± 0.03 | 30279 | 1.2922 ± 0.0028 | 1.4165 ± 0.0012 | 208 ± 1 | 208 ± 1 | 1.749 ± 0.003 |
| DIP-36 | 42.26 ± 0.02 | 9.45 ± 0.08 | 17144 | 1.2634 ± 0.0021 | 1.4178 ± 0.0011 | 196 ± 1 | 196 ± 1 | 1.726 ± 0.002 |

**Table S2.** Trace element concentrations (ppm) for enamel from the *Diprotodon* incisor (QMF3452) from the Darling Downs, Queensland, Australia. 87Sr/86Sr isotopic ratios were also measured from each individual sample (see Table S3). Numbers in sample codes correspond to the distance (mm) that samples were taken from the occlusal tip (e.g., D.Sr059 is 59 mm from the occlusal tip of the incisor).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | La | Ce | Pr | Nd | Sm | Eu | Tb | Gd | Dy | Y | Ho | Er | Tm | Yb | Lu | Pr/Yb | Ce/Ce\* | Eu/Eu\* | Sr | ΣREE (ppm) |
| D.Sr003 | 94.6 | 46.6 | 22.9 | 109.1 | 23.8 | 6.8 | 4.1 | 31.8 | 23.9 | 217.2 | 5.0 | 12.6 | 1.5 | 7.5 | 1.1 | 1.2 | 0.3 | 1.2 | 548.9 | 391.3 |
| D.Sr010 | 77.2 | 47.2 | 17.7 | 84.1 | 19.0 | 5.5 | 3.3 | 25.0 | 19.4 | 174.7 | 4.1 | 10.2 | 1.2 | 6.2 | 0.9 | 1.1 | 0.4 | 1.2 | 560.4 | 321.0 |
| D.Sr017 | 114.8 | 70.3 | 26.2 | 124.1 | 27.4 | 7.9 | 4.9 | 36.6 | 29.5 | 262.7 | 6.3 | 15.8 | 1.9 | 9.7 | 1.4 | 1.0 | 0.4 | 1.2 | 589.8 | 476.9 |
| D.Sr024 | 65.5 | 35.2 | 14.8 | 70.1 | 15.8 | 4.5 | 2.8 | 21.0 | 16.8 | 155.2 | 3.6 | 8.9 | 1.1 | 5.4 | 0.8 | 1.1 | 0.3 | 1.2 | 555.7 | 266.2 |
| D.Sr031 | 48.0 | 22.8 | 9.7 | 45.5 | 9.8 | 2.9 | 1.8 | 13.7 | 11.2 | 123.3 | 2.5 | 6.4 | 0.8 | 4.0 | 0.6 | 0.9 | 0.3 | 1.2 | 543.2 | 179.7 |
| D.Sr038 | 77.1 | 42.7 | 16.5 | 77.6 | 16.4 | 4.8 | 2.9 | 22.6 | 16.6 | 164.1 | 3.6 | 8.9 | 1.0 | 5.1 | 0.7 | 1.2 | 0.4 | 1.2 | 575.0 | 296.5 |
| D.Sr045 | 39.5 | 40.3 | 9.9 | 47.2 | 10.8 | 3.1 | 1.9 | 14.4 | 10.9 | 95.6 | 2.3 | 5.7 | 0.7 | 3.4 | 0.5 | 1.1 | 0.6 | 1.2 | 574.3 | 190.4 |
| D.Sr059 | 283.6 | 95.6 | 55.6 | 257.0 | 52.6 | 15.5 | 9.4 | 75.0 | 53.7 | 516.7 | 11.5 | 28.5 | 3.3 | 16.2 | 2.3 | 1.3 | 0.2 | 1.2 | 662.0 | 959.8 |
| D.Sr066 | 78.7 | 35.3 | 17.0 | 78.7 | 16.6 | 4.9 | 3.0 | 23.2 | 17.4 | 160.7 | 3.7 | 9.4 | 1.1 | 5.7 | 0.8 | 1.2 | 0.3 | 1.2 | 583.5 | 295.5 |
| D.Sr073 | 37.8 | 21.8 | 9.2 | 43.0 | 9.3 | 2.7 | 1.7 | 12.6 | 9.6 | 91.7 | 2.1 | 5.2 | 0.6 | 3.2 | 0.5 | 1.1 | 0.3 | 1.2 | 565.1 | 159.2 |
| D.Sr080 | 93.9 | 48.7 | 23.6 | 110.8 | 24.3 | 7.2 | 4.4 | 33.4 | 26.1 | 234.7 | 5.5 | 14.1 | 1.7 | 8.5 | 1.2 | 1.1 | 0.3 | 1.2 | 584.5 | 403.3 |
| D.Sr087 | 122.8 | 66.8 | 34.3 | 163.6 | 37.8 | 11.3 | 7.1 | 51.7 | 42.9 | 366.2 | 9.2 | 23.5 | 2.9 | 14.7 | 2.1 | 0.9 | 0.3 | 1.2 | 552.7 | 590.5 |
| D.Sr094 | 30.8 | 10.6 | 4.7 | 23.0 | 4.7 | 1.5 | 1.1 | 8.5 | 7.1 | 83.5 | 1.7 | 4.4 | 0.5 | 2.7 | 0.4 | 0.7 | 0.3 | 1.2 | 585.8 | 101.7 |
| D.Sr101 | 84.0 | 29.5 | 12.9 | 60.8 | 11.9 | 3.6 | 2.5 | 19.1 | 14.9 | 172.2 | 3.4 | 8.6 | 1.0 | 5.2 | 0.8 | 0.9 | 0.3 | 1.2 | 531.3 | 258.4 |
| D.Sr108 | 57.4 | 25.2 | 9.3 | 43.0 | 8.3 | 2.5 | 1.8 | 13.3 | 11.0 | 130.6 | 2.5 | 6.5 | 0.8 | 4.0 | 0.6 | 0.9 | 0.4 | 1.2 | 936.2 | 186.2 |
| D.Sr115 | 54.4 | 28.3 | 7.5 | 34.8 | 6.6 | 2.0 | 1.5 | 11.3 | 10.1 | 131.3 | 2.4 | 6.5 | 0.8 | 4.4 | 0.7 | 0.7 | 0.5 | 1.2 | 616.3 | 171.4 |
| D.Sr129 | 14.3 | 9.4 | 4.0 | 19.3 | 4.4 | 1.3 | 0.8 | 5.7 | 4.5 | 37.9 | 0.9 | 2.4 | 0.3 | 1.4 | 0.2 | 1.1 | 0.3 | 1.2 | 648.3 | 68.9 |
| D.Sr137 | 65.7 | 23.5 | 18.4 | 87.8 | 18.9 | 5.4 | 3.3 | 25.0 | 18.9 | 164.1 | 4.0 | 9.7 | 1.2 | 5.9 | 0.8 | 1.2 | 0.2 | 1.2 | 611.3 | 288.5 |
| D.Sr143 | 22.6 | 13.5 | 7.4 | 36.0 | 8.8 | 2.6 | 1.5 | 11.3 | 8.8 | 69.1 | 1.8 | 4.5 | 0.5 | 2.7 | 0.4 | 1.1 | 0.3 | 1.2 | 722.7 | 122.6 |
| D.Sr150 | 50.4 | 19.5 | 15.2 | 72.3 | 16.3 | 4.6 | 2.7 | 20.4 | 15.4 | 126.1 | 3.1 | 7.7 | 0.9 | 4.6 | 0.6 | 1.3 | 0.2 | 1.2 | 591.6 | 233.8 |
| D.Sr157 | 20.1 | 24.8 | 6.6 | 32.2 | 7.9 | 2.3 | 1.3 | 9.7 | 7.8 | 60.1 | 1.6 | 4.0 | 0.5 | 2.6 | 0.4 | 1.0 | 0.6 | 1.2 | 633.2 | 121.8 |
| D.Sr164 | 32.9 | 38.6 | 10.2 | 50.1 | 12.4 | 3.6 | 2.2 | 16.2 | 13.1 | 113.4 | 2.8 | 6.9 | 0.9 | 4.4 | 0.6 | 0.9 | 0.6 | 1.2 | 618.7 | 195.0 |
| D.Sr171 | 55.7 | 90.5 | 17.9 | 87.0 | 21.0 | 6.1 | 3.7 | 27.2 | 20.7 | 152.6 | 4.2 | 10.2 | 1.2 | 6.1 | 0.8 | 1.1 | 0.8 | 1.2 | 553.3 | 352.3 |
| D.Sr178 | 157.1 | 144.1 | 46.1 | 222.6 | 51.5 | 14.9 | 9.0 | 67.8 | 50.7 | 400.0 | 10.4 | 25.2 | 3.0 | 15.2 | 2.1 | 1.2 | 0.5 | 1.2 | 568.3 | 819.7 |
| D.Sr185 | 85.2 | 88.6 | 25.7 | 125.5 | 30.2 | 8.8 | 5.4 | 39.8 | 31.3 | 253.1 | 6.6 | 16.2 | 2.0 | 10.2 | 1.4 | 1.0 | 0.5 | 1.2 | 595.6 | 476.9 |
| D.Sr192 | 80.3 | 98.7 | 26.0 | 127.2 | 31.3 | 9.1 | 5.4 | 39.9 | 30.7 | 236.3 | 6.3 | 15.3 | 1.9 | 9.4 | 1.3 | 1.1 | 0.6 | 1.2 | 521.0 | 483.0 |
| D.Sr199 | 56.5 | 89.0 | 18.1 | 87.0 | 20.6 | 5.9 | 3.4 | 25.7 | 18.8 | 137.9 | 3.8 | 8.9 | 1.1 | 5.4 | 0.7 | 1.3 | 0.7 | 1.2 | 512.7 | 345.2 |
| D.Sr206 | 21.8 | 26.9 | 6.6 | 32.2 | 7.7 | 2.2 | 1.3 | 9.9 | 7.6 | 59.9 | 1.6 | 3.8 | 0.5 | 2.4 | 0.3 | 1.1 | 0.6 | 1.2 | 476.8 | 124.7 |
| D.Sr213 | 109.4 | 73.2 | 26.8 | 131.5 | 29.4 | 8.9 | 6.0 | 44.6 | 35.7 | 340.6 | 8.0 | 20.1 | 2.5 | 13.0 | 1.9 | 0.8 | 0.4 | 1.2 | 549.5 | 511.0 |
| D.Sr220 | 87.9 | 96.0 | 25.1 | 120.2 | 28.0 | 8.1 | 4.8 | 35.8 | 27.4 | 229.1 | 5.7 | 14.0 | 1.8 | 9.1 | 1.3 | 1.1 | 0.6 | 1.2 | 613.8 | 465.3 |
| D.Sr228 | 161.4 | 132.0 | 35.9 | 169.7 | 36.2 | 10.5 | 6.5 | 49.6 | 38.0 | 371.2 | 8.3 | 20.8 | 2.6 | 13.6 | 2.0 | 1.0 | 0.5 | 1.2 | 550.0 | 687.1 |
| D.Sr234 | 244.4 | 220.4 | 47.1 | 221.1 | 46.7 | 13.6 | 8.5 | 65.2 | 49.6 | 493.2 | 10.8 | 27.0 | 3.4 | 17.5 | 2.5 | 1.0 | 0.7 | 1.2 | 550.5 | 977.8 |
| D.Sr241 | 145.6 | 142.0 | 28.5 | 135.9 | 29.2 | 8.7 | 5.7 | 42.8 | 34.1 | 336.4 | 7.5 | 19.1 | 2.4 | 12.7 | 1.9 | 0.9 | 0.7 | 1.2 | 564.7 | 616.4 |
| D.Sr249 | 294.6 | 350.0 | 60.2 | 284.0 | 59.3 | 17.5 | 11.3 | 86.3 | 66.4 | 654.9 | 14.5 | 36.4 | 4.5 | 23.3 | 3.4 | 1.0 | 0.8 | 1.2 | 589.2 | 1311.8 |
| D.Sr255 | 275.2 | 212.6 | 59.5 | 274.6 | 55.6 | 16.0 | 9.9 | 76.1 | 59.1 | 583.0 | 12.9 | 32.9 | 4.1 | 21.2 | 3.0 | 1.1 | 0.5 | 1.2 | 687.7 | 1112.8 |
| D.Sr262 | 313.0 | 289.0 | 71.8 | 333.2 | 68.3 | 19.4 | 11.7 | 88.6 | 68.6 | 645.6 | 14.7 | 37.2 | 4.7 | 23.8 | 3.4 | 1.2 | 0.6 | 1.2 | 682.7 | 1347.4 |
| D.Sr269 | 273.2 | 235.0 | 60.1 | 283.6 | 59.0 | 17.2 | 11.0 | 80.3 | 68.0 | 697.5 | 15.2 | 39.6 | 5.0 | 26.2 | 3.7 | 0.9 | 0.6 | 1.2 | 690.9 | 1177.1 |
| D.Sr276 | 248.5 | 242.8 | 50.0 | 233.7 | 47.5 | 13.9 | 8.9 | 66.7 | 54.1 | 566.5 | 12.0 | 30.9 | 3.9 | 19.7 | 2.8 | 1.0 | 0.7 | 1.2 | 654.6 | 1035.4 |
| D.Sr283 | 154.5 | 128.0 | 26.3 | 122.2 | 24.3 | 7.3 | 4.9 | 36.0 | 31.8 | 389.5 | 7.5 | 20.1 | 2.6 | 13.5 | 2.0 | 0.7 | 0.7 | 1.2 | 689.7 | 580.9 |

**Table S3.** 87Sr/86Sr isotope ratios for enamel from the *Diprotodon* incisor (QMF3452) from the Darling Downs, Queensland, Australia. Most samples were also measured for trace element concentrations (see Table S2).

|  |  |  |
| --- | --- | --- |
| Sample | Distance from anterior occlusal tip (mm) | 87Sr/86Sr |
| D.Sr003 | 3 | 0.707396 |
| D.Sr010 | 10 | 0.707209 |
| D.Sr017 | 17 | 0.7072 |
| D.Sr024 | 24 | 0.707175 |
| D.Sr031 | 31 | 0.707125 |
| D.Sr038 | 38 | 0.707081 |
| D.Sr045 | 45 | 0.706954 |
| D.Sr052\* | 52 | 0.70703 |
| D.Sr059 | 59 | 0.706688 |
| D.Sr066 | 66 | 0.706998 |
| D.Sr073 | 73 | 0.70716 |
| D.Sr080 | 80 | 0.707032 |
| D.Sr087 | 87 | 0.706988 |
| D.Sr094 | 94 | 0.707073 |
| D.Sr101 | 101 | 0.706884 |
| D.Sr108\* | 108 | 0.706721 |
| D.Sr115 | 115 | 0.706682 |
| D.Sr129 | 129 | 0.706993 |
| D.Sr137 | 137 | 0.706958 |
| D.Sr143 | 143 | 0.706781 |
| D.Sr150 | 150 | 0.706439 |
| D.Sr157 | 157 | 0.706383 |
| D.Sr164 | 164 | 0.706794 |
| D.Sr171 | 171 | 0.706858 |
| D.Sr178 | 178 | 0.706898 |
| D.Sr185 | 185 | 0.70665 |
| D.Sr192 | 192 | 0.70682 |
| D.Sr199 | 199 | 0.707116 |
| D.Sr206\* | 206 | 0.707031 |
| D.Sr213 | 213 | 0.706889 |
| D.Sr220 | 220 | 0.706964 |
| D.Sr228 | 228 | 0.706845 |
| D.Sr234 | 234 | 0.70673 |
| D.Sr241 | 241 | 0.706678 |
| D.Sr249 | 249 | 0.706465 |
| D.Sr255 | 255 | 0.706333 |
| D.Sr262 | 262 | 0.705992 (0.706516†) |
| D.Sr269 | 269 | 0.706451 (0.707079†) |
| D.Sr276 | 276 | 0.706423 (0.707044†) |
| D.Sr283 | 283 | 0.706395 (0.70701†) |

\*Samples were excluded from results interpretation due to either their measurements not being able to be tested using independent REE analysis (D.Sr052) or had anomalously high Sr.

†Corrected ratios following mixing line calculation.

**Table S4.** Stable carbon and oxygen isotopic data for enamel from the *Diprotodon* incisor (QMF3452) from the Darling Downs, Queensland, Australia.

|  |  |  |  |
| --- | --- | --- | --- |
| Sample ID | Distance from occlusal tip of incisor (mm) | δ13C (‰) | δ18O (‰) |
| Dip0012 | 12 | -6.5 | -2.6 |
| Dip0023 | 23 | -6.7 | -1.6 |
| Dip0033 | 33 | -7.1 | -1.4 |
| Dip0043 | 43 | -7 | -1.4 |
| Dip0061 | 61 | -6.9 | -1.1 |
| Dip0066 | 66 | -5.8 | -0.9 |
| Dip0072 | 72 | -6.3 | -2.8 |
| Dip0073 | 73 | -6.4 | -0.2 |
| Dip0075 | 75 | -8.9 | -1.3 |
| Dip0076 | 76 | -6.5 | -0.3 |
| Dip0080 | 80 | -5.7 | -0.5 |
| Dip0083 | 83 | -6.9 | 0.8 |
| Dip0086 | 86 | -6.2 | -1 |
| Dip0088 | 88 | -8 | -2.7 |
| Dip0093 | 93 | -7 | -2.1 |
| Dip0095 | 95 | -6.8 | -1.3 |
| Dip0097 | 97 | -7 | -1.2 |
| Dip0100 | 100 | -8.5 | -6.4 |
| Dip0101 | 101 | -6.8 | -4.9 |
| Dip0103 | 103 | -6.4 | -0.7 |
| Dip0111 | 109 | -6.3 | -2 |
| Dip0114 | 112 | -6.1 | -1.9 |
| Dip0115 | 113 | -6.2 | -2.4 |
| Dip0118 | 116 | -5.8 | -2 |
| Dip0126 | 122 | -6.6 | -2.5 |
| Dip0127 | 124 | -6.4 | -1.9 |
| Dip0129 | 126 | -6.2 | -1.8 |
| Dip0130 | 127 | -8.6 | -2.2 |
| Dip0132 | 129 | -6.3 | -1.2 |
| Dip0137 | 133 | -6.3 | -1.8 |
| Dip0139 | 135 | -5.8 | -2.6 |
| Dip0145 | 138 | -5.4 | -2.4 |
| Dip0146 | 139 | -6.2 | -1.5 |
| Dip0148 | 141 | -5.3 | -1.7 |
| Dip0151 | 144 | -6.6 | 0.4 |
| Dip0152 | 146 | -6.6 | -4.2 |
| Dip0153 | 148 | -6.4 | -1.2 |
| Dip0170 | 170 | -7.8 | -0.6 |
| Dip0172 | 172 | -6.4 | -2.5 |
| Dip0177 | 177 | -7.5 | -0.6 |
| Dip0178 | 178 | -7.3 | -3.2 |
| Dip0180 | 180 | -6.9 | -1.6 |
| Dip0185 | 185 | -6.4 | -0.9 |
| Dip0187 | 187 | -6.1 | -2.1 |
| Dip0190 | 190 | -5.9 | -2.7 |
| Dip0194 | 194 | -6.2 | -1.2 |
| Dip0196 | 196 | -6.1 | -2.5 |
| Dip0198 | 198 | -6.5 | 0.1 |
| Dip0200 | 200 | -6.4 | -2.4 |
| Dip0202 | 202 | -6.7 | 0 |
| Dip0204 | 204 | -5.5 | -1.8 |
| Dip0208 | 208 | -6.1 | 0.1 |
| Dip0210 | 210 | -6.4 | 0.7 |
| Dip0212 | 212 | -6 | -1.9 |
| Dip0214 | 214 | -6.1 | -1.7 |
| Dip0216 | 216 | -7.8 | -1.6 |
| Dip0217 | 217 | -6.1 | -0.3 |
| Dip0219 | 219 | -5.8 | -0.4 |
| Dip0221 | 221 | -6.1 | 0.8 |
| Dip0223 | 223 | -5.6 | -0.9 |
| Dip0226 | 226 | -5.3 | -0.2 |
| Dip0228 | 228 | -5.1 | -1.5 |
| Dip0232 | 232 | -5 | -1.2 |
| Dip0234 | 234 | -5 | 0.8 |
| Dip0236 | 236 | -5.3 | fail |
| Dip0240 | 240 | -6 | 1.9 |
| Dip0242 | 242 | -5.7 | 1.4 |
| Dip0244 | 244 | -5.8 | -2.7 |
| Dip0246 | 246 | -6 | -0.6 |
| Dip0249 | 249 | -5.8 | 2 |
| Dip0251 | 251 | -6.5 | -1.4 |
| Dip0253 | 253 | -5.4 | 0 |
| Dip0256 | 256 | -5.9 | -1.2 |
| Dip0260 | 260 | -6.7 | -0.8 |
| Dip0262 | 262 | -6.6 | -2.3 |
| Dip0267 | 267 | -7.4 | -0.8 |
| Dip0269 | 269 | -7.7 | 1.1 |
| Dip0276 | 276 | -7.3 | -0.2 |
| Dip0282 | 282 | -6.6 | 0.4 |