|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Section** | **Depth (cm from section top)** | **Sample** | **χlf\_average[m3kg-1]** | **STDEV** | **CV(%)** | **χhf\_average[m3kg-1]** | **STDEV** | **CV(%)** |
| *SA* | 4 | 2 | 5.03E-07 | 1.73E-10 | 0.034407 | 4.46E-07 | 7.51E-10 | 0.168261 |
| *SA* | 8 | 4 | 4.54E-07 | 2.65E-10 | 0.058315 | 4.09E-07 | 4.25E-09 | 1.03832 |
| *SA* | 12 | 6 | 3.73E-07 | 1.15E-10 | 0.030952 | 3.29E-07 | 7.37E-10 | 0.22416 |
| *SA* | 16 | 8 | 4.5E-07 | 6.66E-10 | 0.147941 | 3.83E-07 | 7.77E-10 | 0.202559 |
| *SA* | 20 | 10 | 4.62E-07 | 1.21E-09 | 0.260921 | 3.94E-07 | 7.37E-10 | 0.187258 |
| *SA* | 24 | 12 | 4.93E-07 | 3.21E-10 | 0.065155 | 4.19E-07 | 1.05E-09 | 0.251628 |
| *SA* | 28 | 14 | 5.18E-07 | 5.13E-10 | 0.098976 | 4.49E-07 | 8.74E-10 | 0.194557 |
| *SA* | 32 | 16 | 4.87E-07 | 3.51E-10 | 0.072177 | 4.23E-07 | 8.14E-10 | 0.192709 |
| *SA* | 36 | 18 | 3.78E-07 | 3E-10 | 0.079365 | 3.26E-07 | 7.21E-10 | 0.221199 |
| *SA* | 40 | 20 | 3.9E-07 | 3.79E-10 | 0.097167 | 3.37E-07 | 1.53E-10 | 0.045332 |
| *SA* | 44 | 22 | 3.36E-07 | 2.52E-10 | 0.07484 | 3.01E-07 | 6.08E-10 | 0.202354 |
| *SA* | 48 | 24 | 2.93E-07 | 3.06E-10 | 0.104292 | 2.6E-07 | 5.57E-10 | 0.21398 |
| *SA* | 52 | 26 | 2.29E-07 | 3.51E-10 | 0.153068 | 2.12E-07 | 7.21E-10 | 0.340468 |
| *SA* | 56 | 28 | 1.71E-07 | 3.46E-10 | 0.202816 | 1.59E-07 | 6E-10 | 0.376884 |
| *SA* | 60 | 30 | 1.82E-07 | 3.46E-10 | 0.190022 | 1.7E-07 | 9.85E-10 | 0.577985 |
| *SA* | 64 | 32 | 1.58E-07 | 2.08E-10 | 0.13189 | 1.48E-07 | 6.11E-10 | 0.412938 |
| *SA* | 72 | 36 | 1.67E-07 | 2.65E-10 | 0.158713 | 1.55E-07 | 1.18E-09 | 0.758676 |
| *SA* | 76 | 38 | 2.18E-07 | 3.61E-10 | 0.165696 | 2.04E-07 | 1E-10 | 0.04902 |
| *SA* | 80 | 40 | 2.66E-07 | 4.51E-10 | 0.169733 | 2.45E-07 | 5.77E-11 | 0.023578 |
| *SA* | 84 | 42 | 2.66E-07 | 3.79E-10 | 0.14215 | 2.43E-07 | 1E-10 | 0.04122 |
| *SA* | 88 | 44 | 2.23E-07 | 3.21E-10 | 0.144107 | 2.1E-07 | 1E-10 | 0.04771 |
| *SA* | 92 | 46 | 2.2E-07 | 3.51E-10 | 0.159752 | 2.05E-07 | 1.53E-10 | 0.074501 |
| *SA* | 96 | 48 | 3.24E-07 | 1.53E-10 | 0.04718 | 2.94E-07 | 1E-10 | 0.033979 |
| *SA* | 100 | 50 | 2.63E-07 | 2.31E-10 | 0.087955 | 2.43E-07 | 3.21E-10 | 0.132105 |
| *SA* | 104 | 52 | 2.44E-07 | 4.58E-10 | 0.187965 | 2.25E-07 | 2.52E-10 | 0.111883 |
| *SA* | 108 | 54 | 2.8E-07 | 2.65E-10 | 0.09466 | 2.55E-07 | 2.08E-10 | 0.081645 |
| *SA* | 112 | 56 | 1.8E-07 | 1.15E-10 | 0.064162 | 1.71E-07 | 5.77E-11 | 0.03375 |
| *SA* | 116 | 58 | 1.96E-07 | 4.16E-10 | 0.212343 | 1.88E-07 | 5.77E-11 | 0.030688 |
| *SA* | 120 | 60 | 1.92E-07 | 3.21E-10 | 0.167105 | 1.84E-07 | 1E-10 | 0.054377 |
| *SA* | 124 | 62 | 1.78E-07 | 2.31E-10 | 0.129693 | 1.69E-07 | 1E-10 | 0.059032 |
| *SA* | 128 | 64 | 1.8E-07 | 2.89E-10 | 0.160167 | 1.72E-07 | 1E-10 | 0.05814 |
| *SA* | 132 | 66 | 2.47E-07 | 3.06E-10 | 0.123553 | 2.28E-07 | 5.77E-11 | 0.025304 |
| *SA* | 136 | 68 | 1.76E-07 | 3.21E-10 | 0.182887 | 1.68E-07 | 5.77E-11 | 0.034339 |
| *SA* | 138 | 69 | 1.76E-07 | 2.52E-10 | 0.143369 | 1.68E-07 | 5.77E-11 | 0.03438 |
| *SA* | 144 | 72 | 1.87E-07 | 3.61E-10 | 0.193017 | 1.8E-07 | 1.53E-10 | 0.084941 |
| *SA* | 148 | 74 | 1.87E-07 | 2.65E-10 | 0.141711 | 1.8E-07 | 2.52E-10 | 0.139864 |
| *SA* | 150 | 75 | 1.75E-07 | 3.61E-10 | 0.206267 | 1.68E-07 | 3.79E-10 | 0.225264 |
| *SA* | 156 | 78 | 1.9E-07 | 1.15E-10 | 0.060881 | 1.79E-07 | 2.65E-10 | 0.148138 |
| *SA* | 160 | 80 | 2.09E-07 | 5.77E-11 | 0.027686 | 1.97E-07 | 3.21E-10 | 0.163535 |
| *SA* | 164 | 82 | 2E-07 | 2.08E-10 | 0.103858 | 1.91E-07 | 1E-10 | 0.052274 |
| *SA* | 168 | 84 | 1.8E-07 | 3.61E-10 | 0.200755 | 1.72E-07 | 5.77E-11 | 0.033639 |
| *SA* | 172 | 86 | 1.98E-07 | 4.04E-10 | 0.204492 | 1.9E-07 | 1.53E-10 | 0.080297 |
| *SA* | 176 | 88 | 1.95E-07 | 2.52E-10 | 0.1293 | 1.86E-07 | 2E-10 | 0.107469 |
| *SA* | 180 | 90 | 2.03E-07 | 1.53E-10 | 0.075161 | 1.92E-07 | 5.77E-11 | 0.030128 |
| *SA* | 184 | 92 | 2E-07 | 1E-10 | 0.049975 | 1.91E-07 | 5.77E-11 | 0.030302 |
| *SA* | 188 | 94 | 1.92E-07 | 1.15E-10 | 0.060099 | 1.81E-07 | 1.53E-10 | 0.084363 |
| *SA* | 192 | 96 | 1.9E-07 | 1.53E-10 | 0.080283 | 1.81E-07 | 1.15E-10 | 0.063961 |
| *SA* | 196 | 98 | 2.08E-07 | 1.15E-10 | 0.055399 | 1.99E-07 | 3.21E-10 | 0.161915 |
| *SA* | 200 | 100 | 1.95E-07 | 2.08E-10 | 0.106679 | 1.84E-07 | 2.08E-10 | 0.113422 |
| *SA* | 204 | 102 | 2E-07 | 1.53E-10 | 0.076287 | 1.88E-07 | 6.24E-10 | 0.331652 |
| *SA* | 208 | 104 | 1.9E-07 | 2E-10 | 0.105152 | 1.79E-07 | 3.51E-10 | 0.196671 |
| *SA* | 212 | 106 | 1.9E-07 | 2.08E-10 | 0.109542 | 1.77E-07 | 4.73E-10 | 0.267247 |
| *SA* | 216 | 108 | 1.99E-07 | 1.73E-10 | 0.087081 | 1.85E-07 | 2.31E-10 | 0.12472 |
| *SA* | 220 | 110 | 1.91E-07 | 2.08E-10 | 0.109083 | 1.81E-07 | 2.52E-10 | 0.139373 |
| *SA* | 224 | 112 | 1.95E-07 | 2.52E-10 | 0.128749 | 1.84E-07 | 4.16E-10 | 0.226802 |
| *SA* | 228 | 114 | 1.7E-07 | 1.73E-10 | 0.102065 | 1.6E-07 | 7.21E-10 | 0.451823 |
| *SA* | 232 | 116 | 1.78E-07 | 4.04E-10 | 0.226496 | 1.69E-07 | 2.08E-10 | 0.123078 |
| *SA* | 236 | 118 | 1.78E-07 | 3.51E-10 | 0.197593 | 1.67E-07 | 4.73E-10 | 0.282419 |
| *SA* | 240 | 120 | 1.81E-07 | 4.36E-10 | 0.241357 | 1.72E-07 | 6.11E-10 | 0.355928 |
| *SA* | 244 | 122 | 1.96E-07 | 3.61E-10 | 0.184051 | 1.84E-07 | 5.03E-10 | 0.273644 |
| *SA* | 248 | 124 | 1.91E-07 | 3.06E-10 | 0.160174 | 1.79E-07 | 3.79E-10 | 0.211939 |
| *SA* | 252 | 126 | 2.12E-07 | 3.06E-10 | 0.144356 | 1.96E-07 | 5.29E-10 | 0.270388 |
| *SA* | 256 | 128 | 2.13E-07 | 2.52E-10 | 0.118392 | 1.95E-07 | 5.13E-10 | 0.262665 |
| *SA* | 260 | 130 | 2.12E-07 | 2.89E-10 | 0.136339 | 1.95E-07 | 5.86E-10 | 0.300383 |
| *SA* | 264 | 132 | 1.95E-07 | 2.31E-10 | 0.11833 | 1.81E-07 | 5.13E-10 | 0.283723 |
| *SA* | 268 | 134 | 1.91E-07 | 2.08E-10 | 0.108741 | 1.78E-07 | 5.13E-10 | 0.288184 |
| *SA* | 272 | 136 | 1.98E-07 | 2.52E-10 | 0.127016 | 1.83E-07 | 5.03E-10 | 0.274539 |
| *SA* | 276 | 138 | 1.91E-07 | 2.08E-10 | 0.109026 | 1.78E-07 | 6.66E-10 | 0.374414 |
| *SA* | 280 | 140 | 1.92E-07 | 1.73E-10 | 0.090258 | 1.78E-07 | 6.66E-10 | 0.373155 |
| *SA* | 284 | 142 | 1.89E-07 | 1.73E-10 | 0.091691 | 1.76E-07 | 5.86E-10 | 0.333429 |
| *SA* | 288 | 144 | 1.93E-07 | 5.77E-11 | 0.029971 | 1.79E-07 | 5.69E-10 | 0.318319 |
| *SA* | 292 | 146 | 1.77E-07 | 1.53E-10 | 0.086074 | 1.7E-07 | 4.93E-10 | 0.289885 |
| *SA* | 296 | 148 | 1.9E-07 | 1E-10 | 0.052632 | 1.8E-07 | 5.69E-10 | 0.315844 |
| *SA* | 300 | 150 | 1.95E-07 | 5.77E-11 | 0.029658 | 1.84E-07 | 6.11E-10 | 0.33195 |
| *SA* | 304 | 152 | 1.81E-07 | 1E-10 | 0.055371 | 1.71E-07 | 4.73E-10 | 0.275987 |
| *SA* | 308 | 154 | 1.87E-07 | 1.15E-10 | 0.061705 | 1.75E-07 | 6.66E-10 | 0.380114 |
| *SA* | 312 | 156 | 1.88E-07 | 1.15E-10 | 0.06154 | 1.76E-07 | 5.13E-10 | 0.291127 |
| *SA* | 316 | 158 | 1.96E-07 | 1.53E-10 | 0.077988 | 1.82E-07 | 6.81E-10 | 0.373047 |
| *SA* | 320 | 160 | 1.89E-07 | 5.77E-11 | 0.030537 | 1.76E-07 | 7.77E-10 | 0.440915 |
| *SA* | 324 | 162 | 1.91E-07 | 3.06E-10 | 0.160146 | 1.78E-07 | 5.29E-10 | 0.29761 |
| *SA* | 328 | 164 | 1.94E-07 | 2.65E-10 | 0.13652 | 1.8E-07 | 7.23E-10 | 0.402719 |
| *SA* | 332 | 166 | 1.89E-07 | 1.53E-10 | 0.080622 | 1.78E-07 | 5.57E-10 | 0.3135 |
| *SA* | 336 | 168 | 1.94E-07 | 1.53E-10 | 0.078888 | 1.81E-07 | 3.46E-10 | 0.191387 |
| *SA* | 352 | 176 | 2.02E-07 | 1.53E-10 | 0.075533 | 1.88E-07 | 5.69E-10 | 0.302085 |
| *SA* | 356 | 178 | 1.89E-07 | 1E-10 | 0.052798 | 1.79E-07 | 5.13E-10 | 0.287216 |
| *SA* | 360 | 180 | 2.01E-07 | 1E-10 | 0.049751 | 1.87E-07 | 6.81E-10 | 0.363679 |
| *SA* | 364 | 182 | 1.87E-07 | 1.53E-10 | 0.081657 | 1.75E-07 | 1.35E-09 | 0.769658 |
| *SA* | 368 | 184 | 1.95E-07 | 5.77E-11 | 0.029679 | 1.81E-07 | 8.89E-10 | 0.491604 |
| *SA* | 372 | 186 | 2.03E-07 | 0 | 0 | 1.9E-07 | 9.29E-10 | 0.48946 |
| *SA* | 376 | 188 | 1.93E-07 | 5.77E-11 | 0.029909 | 1.8E-07 | 6.11E-10 | 0.33876 |
| *SA* | 380 | 190 | 2.11E-07 | 2.65E-10 | 0.125154 | 2.01E-07 | 8.54E-10 | 0.424863 |
| *SA* | 384 | 192 | 1.91E-07 | 1.53E-10 | 0.080045 | 1.8E-07 | 1.4E-09 | 0.779016 |
| *SA* | 388 | 194 | 1.92E-07 | 1.53E-10 | 0.079697 | 1.81E-07 | 1.07E-09 | 0.589236 |
| *SA* | 392 | 196 | 1.94E-07 | 1.73E-10 | 0.089327 | 1.83E-07 | 7.55E-10 | 0.411659 |
| *SA* | 396 | 198 | 1.95E-07 | 5.77E-11 | 0.029598 | 1.87E-07 | 1.01E-09 | 0.539081 |
| *SA* | 400 | 200 | 1.89E-07 | 1.53E-10 | 0.080964 | 1.8E-07 | 6.66E-10 | 0.369633 |
| *SA* | 404 | 202 | 1.75E-07 | 1.15E-10 | 0.066109 | 1.69E-07 | 1E-10 | 0.059242 |
| *SA* | 408 | 204 | 1.78E-07 | 1E-10 | 0.056054 | 1.71E-07 | 2.52E-10 | 0.146798 |
| *SA* | 412 | 206 | 1.51E-07 | 0 | 0 | 1.46E-07 | 3.61E-10 | 0.246956 |
| *SA* | 416 | 208 | 1.9E-07 | 5.77E-11 | 0.03035 | 1.82E-07 | 2.52E-10 | 0.137997 |
| *SA* | 424 | 212 | 2.02E-07 | 3.24E-23 | 1.6E-14 | 1.95E-07 | 1.53E-10 | 0.078402 |
| *SA* | 428 | 214 | 2.01E-07 | 1.53E-10 | 0.076123 | 1.93E-07 | 3E-10 | 0.155521 |
| *SA* | 432 | 216 | 1.98E-07 | 5.77E-11 | 0.029169 | 1.9E-07 | 1E-10 | 0.052659 |
| *SA* | 436 | 218 | 1.99E-07 | 5.77E-11 | 0.029008 | 1.91E-07 | 1.73E-10 | 0.090826 |
| *SA* | 440 | 220 | 1.98E-07 | 3.06E-10 | 0.154425 | 1.88E-07 | 9.45E-10 | 0.503908 |
| *SA* | 444 | 222 | 1.93E-07 | 0 | 0 | 1.85E-07 | 1E-10 | 0.054201 |
| *SA* | 448 | 224 | 1.95E-07 | 1E-10 | 0.051256 | 1.87E-07 | 4.36E-10 | 0.233721 |
| *SA* | 452 | 226 | 1.92E-07 | 1E-10 | 0.052192 | 1.83E-07 | 1.73E-10 | 0.094803 |
| *SA* | 456 | 228 | 1.93E-07 | 1.53E-10 | 0.079338 | 1.83E-07 | 4.51E-10 | 0.245825 |
| *SA* | 460 | 230 | 1.95E-07 | 5.77E-11 | 0.029618 | 1.86E-07 | 2.65E-10 | 0.142321 |
| *SA* | 464 | 232 | 1.93E-07 | 1E-10 | 0.051813 | 1.85E-07 | 2.52E-10 | 0.135862 |
| *SA* | 468 | 234 | 1.49E-07 | 5.77E-11 | 0.038731 | 1.44E-07 | 4.73E-10 | 0.328486 |
| *SA* | 472 | 236 | 1.14E-07 | 1.73E-10 | 0.151403 | 1.12E-07 | 2.31E-10 | 0.20589 |
| *SA* | 476 | 238 | 8.32E-08 | 1.86E-10 | 0.223472 | 8.03E-08 | 3.4E-10 | 0.423674 |
| *SA* | 480 | 240 | 9.6E-08 | 1.32E-10 | 0.137475 | 9.43E-08 | 1.86E-10 | 0.197141 |
| *SA* | 484 | 242 | 9.01E-08 | 1.06E-10 | 0.117406 | 8.88E-08 | 2.95E-10 | 0.332313 |
| *SA* | 488 | 244 | 1.13E-07 | 1.53E-10 | 0.1351 | 1.09E-07 | 3.51E-10 | 0.321111 |
| *SA* | 492 | 246 | 9.79E-08 | 1.96E-10 | 0.199816 | 9.31E-08 | 1.13E-10 | 0.121099 |
| *SA* | 496 | 248 | 1.44E-07 | 1.15E-10 | 0.080058 | 1.38E-07 | 5.86E-10 | 0.423168 |
| *SA* | 500 | 250 | 1.96E-07 | 3.51E-10 | 0.179422 | 1.88E-07 | 5.77E-11 | 0.030672 |
| *SA* | 504 | 252 | 1.95E-07 | 2E-10 | 0.102828 | 1.87E-07 | 1.53E-10 | 0.081628 |
| *SA* | 508 | 254 | 1.95E-07 | 1.53E-10 | 0.078268 | 1.87E-07 | 2.08E-10 | 0.11122 |
| *SA* | 512 | 256 | 1.86E-07 | 1E-10 | 0.053706 | 1.73E-07 | 2.08E-10 | 0.120212 |
| *SA* | 516 | 258 | 1.81E-07 | 0 | 0 | 1.41E-07 | 3.21E-10 | 0.228252 |
| *SA* | 520 | 260 | 1.46E-07 | 5.77E-11 | 0.039454 | 1.37E-07 | 4.36E-10 | 0.318168 |
| *SA* | 524 | 262 | 1.42E-07 | 5.77E-11 | 0.040754 | 1.79E-07 | 4.73E-10 | 0.263914 |
| *SA* | 528 | 264 | 1.86E-07 | 2.08E-10 | 0.112078 | 1.79E-07 | 4.93E-10 | 0.275837 |
| *SA* | 532 | 266 | 1.82E-07 | 1.73E-10 | 0.09543 | 1.75E-07 | 7.09E-10 | 0.404404 |
| *SA* | 536 | 268 | 1.82E-07 | 3.51E-10 | 0.19335 | 1.75E-07 | 2.89E-10 | 0.165367 |
| *SA* | 540 | 270 | 1.46E-07 | 1.53E-10 | 0.104649 | 1.41E-07 | 3.61E-10 | 0.256258 |
| *SA* | 544 | 272 | 1.36E-07 | 1.73E-10 | 0.127732 | 1.31E-07 | 2.52E-10 | 0.192795 |
| *SA* | 548 | 274 | 1.19E-07 | 5.77E-11 | 0.048327 | 1.16E-07 | 4.04E-10 | 0.348501 |
| *SA* | 552 | 276 | 7.8E-08 | 1.48E-10 | 0.189848 | 7.69E-08 | 5.22E-10 | 0.678766 |
| *SA* | 556 | 278 | 4.56E-08 | 2.17E-10 | 0.474921 | 4.65E-08 | 3.67E-10 | 0.789537 |
| *SA* | 560 | 280 | 4.95E-08 | 3.45E-10 | 0.696969 | 4.98E-08 | 3.01E-10 | 0.604516 |
| *SA* | 564 | 282 | 4.81E-08 | 3.15E-10 | 0.655664 | 4.9E-08 | 3.46E-10 | 0.706433 |
| *SA* | 568 | 284 | 4.88E-08 | 3E-10 | 0.615778 | 5.07E-08 | 8.82E-10 | 1.738622 |
| *SA* | 572 | 286 | 3.52E-08 | 3.17E-10 | 0.901898 | 3.65E-08 | 4.97E-10 | 1.360971 |
| *SA* | 576 | 288 | 4.07E-08 | 3.46E-10 | 0.850552 | 4.22E-08 | 4.83E-10 | 1.146273 |
| *SA* | 580 | 290 | 4.14E-08 | 3.8E-10 | 0.918984 | 4.21E-08 | 2.89E-10 | 0.687033 |
| *SA* | 584 | 292 | 5.31E-08 | 3.36E-10 | 0.631834 | 5.33E-08 | 2.8E-10 | 0.52498 |
| *SA* | 588 | 294 | 4.15E-08 | 2.96E-10 | 0.713595 | 4.22E-08 | 1.72E-10 | 0.406672 |
| *SA* | 592 | 296 | 4.09E-08 | 2.89E-11 | 0.070517 | 4.19E-08 | 4.58E-10 | 1.094216 |
| *SA* | 596 | 298 | 4.76E-08 | 1.11E-10 | 0.23394 | 4.91E-08 | 7.26E-10 | 1.477192 |
| *SA* | 600 | 300 | 4.35E-08 | 2.24E-10 | 0.514525 | 4.45E-08 | 3.68E-10 | 0.828226 |
| *SA* | 604 | 302 | 4.11E-08 | 1.66E-10 | 0.403418 | 4.26E-08 | 1.4E-09 | 3.287838 |
| *SA* | 608 | 304 | 3.18E-08 | 1.67E-10 | 0.524129 | 3.29E-08 | 3.04E-10 | 0.922224 |
| *SA* | 612 | 306 | 3.2E-08 | 8.08E-11 | 0.252407 | 3.29E-08 | 3E-10 | 0.910594 |
| *SA* | 616 | 308 | 3.41E-08 | 1.01E-10 | 0.296425 | 3.56E-08 | 7.54E-10 | 2.118656 |
| *SA* | 620 | 310 | 4.15E-08 | 5.51E-11 | 0.132638 | 4.24E-08 | 4.12E-10 | 0.970847 |
| *SA* | 624 | 312 | 4.9E-08 | 1.56E-10 | 0.317872 | 4.93E-08 | 3.38E-10 | 0.685934 |
| *SA* | 628 | 314 | 4.43E-08 | 9.85E-11 | 0.222121 | 4.46E-08 | 4.99E-10 | 1.118489 |
| *SA* | 632 | 316 | 1.34E-07 | 5.77E-11 | 0.043032 | 1.31E-07 | 2.08E-10 | 0.158502 |
| *SA* | 636 | 318 | 1.29E-07 | 1.15E-10 | 0.089258 | 1.27E-07 | 5.13E-10 | 0.404594 |
| *SA* | 640 | 320 | 1.45E-07 | 0 | 0 |  |  |  |
| *SA* | 644 | 322 | 1.44E-07 | 5.77E-11 | 0.040159 | 1.43E-07 | 7.09E-10 | 0.49775 |
| *SA* | 648 | 324 | 1.23E-07 | 5.77E-11 | 0.04699 | 1.18E-07 | 9.5E-10 | 0.806368 |
| *SA* | 652 | 326 | 1.06E-07 | 1E-10 | 0.094073 | 1.04E-07 | 7E-10 | 0.673725 |
| *SA* | 656 | 328 | 9.11E-08 | 4.58E-11 | 0.050314 | 8.63E-08 | 1.2E-09 | 1.393621 |
| *SA* | 660 | 330 | 6.89E-08 | 4.58E-11 | 0.06654 | 6.66E-08 | 2.71E-10 | 0.406544 |
| *SA* | 664 | 332 | 1.8E-08 | 6.81E-11 | 0.37865 | 1.85E-08 | 3.41E-10 | 1.845799 |
| *SA* | 668 | 334 | 2.7E-08 | 1.32E-10 | 0.489322 | 2.71E-08 | 3.38E-10 | 1.248289 |
| *SA* | 672 | 336 | 2.93E-08 | 2.27E-10 | 0.774113 | 3.01E-08 | 9.54E-11 | 0.316713 |
| *SA* | 676 | 338 | 2.6E-08 | 2.85E-10 | 1.09666 | 2.69E-08 | 1.22E-10 | 0.453092 |
| *SA* | 680 | 340 | 2.26E-08 | 2.16E-10 | 0.958923 | 2.52E-08 | 1.96E-09 | 7.765452 |
| *SA* | 684 | 342 | 1.56E-08 | 2.5E-10 | 1.598465 | 1.7E-08 | 4.2E-10 | 2.472707 |
| *SA* | 688 | 344 | 1.44E-08 | 1.65E-10 | 1.145819 | 1.68E-08 | 2.06E-09 | 12.29079 |
| *SA* | 692 | 346 | 2.67E-08 | 3.25E-10 | 1.220104 | 2.77E-08 | 8.33E-11 | 0.300312 |
| *SA* | 696 | 348 | 1.29E-08 | 2.24E-10 | 1.734412 | 1.43E-08 | 1.53E-11 | 0.107145 |
| *SA* | 700 | 350 | 2.52E-08 | 1.95E-10 | 0.776112 | 2.63E-08 | 1.1E-10 | 0.417362 |
| *SA* | 704 | 352 | 1.64E-08 | 1.15E-10 | 0.70223 | 1.76E-08 | 4.16E-11 | 0.237137 |
| *SA* | 708 | 354 | 1.21E-08 | 1.61E-10 | 1.330039 | 1.31E-08 | 2.59E-10 | 1.975894 |
| *SA* | 712 | 356 | 1.75E-08 | 1.95E-10 | 1.112924 | 1.87E-08 | 4.75E-10 | 2.5422 |
| *SA* | 716 | 358 | 1.7E-08 | 6.43E-11 | 0.379 | 1.75E-08 | 2.59E-10 | 1.481732 |
| *SA* | 720 | 360 | 2.5E-08 | 1.95E-10 | 0.780606 | 2.53E-08 | 1.73E-10 | 0.684933 |
| *SA* | 724 | 362 | 1.12E-07 | 5.77E-11 | 0.051672 | 1.08E-07 | 5.77E-11 | 0.053574 |
| *SA* | 728 | 364 | 1.1E-07 | 3.46E-10 | 0.314062 | 1.07E-07 | 1E-10 | 0.093197 |
| *SA* | 732 | 366 | 6.97E-08 | 2.18E-10 | 0.31269 | 6.87E-08 | 6.11E-11 | 0.088986 |
| *SA* | 736 | 368 | 6.92E-08 | 1.76E-10 | 0.25462 | 6.78E-08 | 2.58E-10 | 0.380406 |
| *SA* | 740 | 370 | 4.97E-08 | 2.85E-10 | 0.574137 | 5E-08 | 8.5E-11 | 0.170019 |
| *SA* | 744 | 372 | 5.12E-08 | 2.1E-10 | 0.410579 | 5.06E-08 | 2.59E-10 | 0.512288 |
| *SA* | 748 | 374 | 4.76E-08 | 1.96E-10 | 0.411188 | 4.69E-08 | 1.89E-10 | 0.403255 |
| *SA* | 752 | 376 | 4.31E-08 | 2.35E-10 | 0.546247 | 4.28E-08 | 3.43E-10 | 0.800916 |
| *SA* | 756 | 378 | 3.82E-08 | 1.22E-10 | 0.320264 | 3.84E-08 | 7.81E-11 | 0.203657 |
| *SA* | 760 | 380 | 3.15E-08 | 3.21E-11 | 0.102125 | 3.14E-08 | 2.49E-10 | 0.7926 |
| *SA* | 768 | 384 | 2.92E-08 | 2.25E-10 | 0.772441 | 2.95E-08 | 1.74E-10 | 0.589748 |
| *SA* | 776 | 388 | 2.36E-08 | 1.47E-10 | 0.623399 | 2.42E-08 | 1.31E-10 | 0.54261 |
| *SA* | 780 | 390 | 2.63E-08 | 2.22E-10 | 0.842285 | 2.75E-08 | 2.33E-10 | 0.847359 |
| *SA* | 784 | 392 | 3.11E-08 | 1.51E-10 | 0.485958 | 3.16E-08 | 1.03E-10 | 0.324716 |
| *SA* | 788 | 394 | 2.18E-08 | 2.4E-10 | 1.103091 | 2.27E-08 | 6.24E-11 | 0.275596 |
| *SA* | 792 | 396 | 2.55E-08 | 1.61E-10 | 0.63146 | 2.65E-08 | 1.39E-10 | 0.522614 |
| *SA* | 796 | 398 | 2.66E-08 | 1.71E-10 | 0.641924 | 2.83E-08 | 2.46E-10 | 0.867336 |
| *SA* | 800 | 400 | 1.7E-08 | 1.19E-10 | 0.703302 | 1.91E-08 | 6.17E-10 | 3.226189 |
| *SA* | 804 | 402 | 2.09E-08 | 9.45E-11 | 0.452087 | 2.3E-08 | 2.96E-10 | 1.285896 |
| *SA* | 808 | 404 | 1.53E-08 | 1.85E-10 | 1.210474 | 1.78E-08 | 8.47E-10 | 4.752383 |
| *SA* | 814 | 407 | 2E-08 | 1.53E-10 | 0.762365 | 2.24E-08 | 2.14E-10 | 0.954987 |
| *SA* | 818 | 409 | 1.94E-08 | 1.5E-10 | 0.772839 | 2.14E-08 | 6.54E-10 | 3.049959 |
| *SA* | 820 | 410 | 2.84E-08 | 2.12E-10 | 0.747835 | 3.03E-08 | 4.56E-10 | 1.504837 |
| *SA* | 824 | 412 | 2.09E-08 | 1.08E-10 | 0.518039 | 2.28E-08 | 2.24E-10 | 0.979055 |
| *SA* | 828 | 414 | 1.47E-08 | 1.26E-10 | 0.857936 | 1.68E-08 | 3.33E-10 | 1.979464 |
| *SA* | 830 | 415 | 1.52E-07 | 1.73E-10 | 0.114251 | 1.47E-07 | 5.77E-11 | 0.039178 |
| *SA* | 848 | 424 | 1.62E-07 | 5.77E-11 | 0.035734 | 1.56E-07 | 1.73E-10 | 0.110745 |
| *SA* | 854 | 427 | 1.6E-07 | 1.53E-10 | 0.095272 | 1.54E-07 | 3.51E-10 | 0.227798 |
| *SA* | 856 | 428 | 1.64E-07 | 1E-10 | 0.061125 | 1.57E-07 | 3.51E-10 | 0.223308 |
| *SA* | 860 | 430 | 1.57E-07 | 0 | 0 | 1.52E-07 | 2.65E-10 | 0.173948 |
| *SA* | 866 | 433 | 1.77E-07 | 2E-10 | 0.112803 | 1.71E-07 | 3.61E-10 | 0.210359 |
| *SA* | 868 | 434 | 1.78E-07 | 4.04E-10 | 0.226496 | 1.72E-07 | 1E-10 | 0.058038 |
| *SA* | 872 | 436 | 1.65E-07 | 5.77E-11 | 0.034977 | 1.6E-07 | 1.53E-10 | 0.095431 |
| *SA* | 878 | 439 | 1.53E-07 | 5.77E-11 | 0.037826 | 1.48E-07 | 1.15E-10 | 0.077845 |
| *SA* | 882 | 441 | 1.52E-07 | 1E-10 | 0.065833 | 1.49E-07 | 1.53E-10 | 0.102335 |
| *SA* | 884 | 442 | 1.51E-07 | 5.77E-11 | 0.038126 | 1.47E-07 | 2.08E-10 | 0.141354 |
| *SA* | 888 | 444 | 1.32E-07 | 2.08E-10 | 0.157782 | 1.29E-07 | 2.65E-10 | 0.205415 |
| *SA* | 894 | 447 | 1.65E-07 | 5.77E-11 | 0.035026 | 1.59E-07 | 2.08E-10 | 0.130539 |
| *SA* | 896 | 448 | 1.6E-07 | 0 | 0 | 1.55E-07 | 1.53E-10 | 0.098465 |
| *SA* | 900 | 450 | 1.67E-07 | 0 | 0 | 1.61E-07 | 2E-10 | 0.123993 |
| *SA* | 904 | 452 | 1.59E-07 | 1E-10 | 0.062893 | 1.53E-07 | 2.08E-10 | 0.135672 |
| *SA* | 910 | 455 | 1.56E-07 | 1.15E-10 | 0.073909 | 1.5E-07 | 3.21E-10 | 0.213923 |
| *SA* | 912 | 456 | 1.57E-07 | 5.77E-11 | 0.036766 | 1.5E-07 | 4.36E-10 | 0.28982 |
| *SA* | 916 | 458 | 1.61E-07 | 5.77E-11 | 0.035831 | 1.54E-07 | 4.51E-10 | 0.292302 |
| *SA* | 924 | 462 | 1.56E-07 | 5.77E-11 | 0.036946 | 1.51E-07 | 3.06E-10 | 0.202277 |
| *SA* | 928 | 464 | 1.49E-07 | 2.31E-10 | 0.155236 | 1.44E-07 | 2E-10 | 0.139082 |
| *SA* | 936 | 468 | 1.4E-07 | 5.77E-11 | 0.041112 | 1.36E-07 | 2.52E-10 | 0.18509 |
| *SA* | 940 | 470 | 1.36E-07 | 0 | 0 | 1.34E-07 | 3.06E-10 | 0.227593 |
| *SA* | 948 | 474 | 1.4E-07 | 1E-10 | 0.07148 | 1.36E-07 | 3E-10 | 0.220913 |
| *SA* | 952 | 476 | 1.51E-07 | 2E-10 | 0.132714 | 1.46E-07 | 3.61E-10 | 0.247634 |
| *SA* | 956 | 478 | 1.5E-07 | 1E-10 | 0.066489 | 1.46E-07 | 2E-10 | 0.137174 |
| *SA* | 964 | 482 | 1.47E-07 | 5.77E-11 | 0.039401 | 1.42E-07 | 5.51E-10 | 0.388039 |
| *SA* | 968 | 484 | 1.51E-07 | 2E-10 | 0.132363 | 1.47E-07 | 6.24E-10 | 0.424541 |
| *SA* | 976 | 488 | 1.62E-07 | 1.15E-10 | 0.071337 | 1.58E-07 | 2.89E-10 | 0.183015 |
| *SA* | 980 | 490 | 1.58E-07 | 1.53E-10 | 0.09676 | 1.53E-07 | 2.65E-10 | 0.172925 |
| *SA* | 988 | 494 | 1.61E-07 | 1E-10 | 0.062305 | 1.55E-07 | 3.51E-10 | 0.226184 |
| *SA* | 992 | 496 | 1.69E-07 | 2.08E-10 | 0.122836 | 1.64E-07 | 4.04E-10 | 0.24633 |
| *SA* | 1000 | 500 | 1.45E-07 | 1.15E-10 | 0.079653 | 1.41E-07 | 1.15E-10 | 0.082146 |
| *SA* | 1004 | 502 | 1.76E-07 | 2E-10 | 0.113507 | 1.7E-07 | 8.5E-10 | 0.499603 |
| *SA* | 1012 | 506 | 1.82E-07 | 2E-10 | 0.110132 | 1.74E-07 | 3E-10 | 0.172018 |
| *SA* | 1016 | 508 | 1.83E-07 | 1E-10 | 0.054526 | 1.76E-07 | 2.52E-10 | 0.143342 |
| *SA* | 1024 | 512 | 1.81E-07 | 1E-10 | 0.05534 | 1.76E-07 | 5.86E-10 | 0.332987 |
| *SA* | 1028 | 514 | 1.8E-07 | 5.77E-11 | 0.032105 | 1.73E-07 | 2.65E-10 | 0.153022 |
| *SA* | 1036 | 518 | 1.72E-07 | 5.77E-11 | 0.033599 | 1.67E-07 | 4.36E-10 | 0.261796 |
| *SA* | 1040 | 520 | 1.76E-07 | 1E-10 | 0.05685 | 1.71E-07 | 1.23E-09 | 0.716931 |
| *SA* | 1048 | 524 | 1.77E-07 | 5.77E-11 | 0.032705 | 1.71E-07 | 3.21E-10 | 0.188169 |
| *SA* | 1056 | 528 | 1.72E-07 | 4.36E-10 | 0.253867 | 1.66E-07 | 4.58E-10 | 0.275727 |
| *SA* | 1060 | 530 | 1.78E-07 | 1.15E-10 | 0.06481 | 1.72E-07 | 8.5E-10 | 0.493706 |
| *SA* | 1064 | 532 | 1.73E-07 | 1E-10 | 0.05787 | 1.68E-07 | 3.79E-10 | 0.225175 |
| *SA* | 1072 | 536 | 1.75E-07 | 5.77E-11 | 0.033073 | 1.7E-07 | 3.61E-10 | 0.212216 |
| *SA* | 1080 | 540 | 1.74E-07 | 5.77E-11 | 0.033099 | 1.7E-07 | 3.51E-10 | 0.206865 |
| *SA* | 1084 | 542 | 1.68E-07 | 1E-10 | 0.059524 | 1.64E-07 | 6.11E-10 | 0.37363 |
| *SA* | 1092 | 546 | 1.63E-07 | 5.77E-11 | 0.03537 | 1.59E-07 | 4.62E-10 | 0.291162 |
| *SA* | 1096 | 548 | 1.62E-07 | 5.77E-11 | 0.035566 | 1.56E-07 | 4.73E-10 | 0.302291 |
| *SA* | 1104 | 552 | 1.72E-07 | 5.77E-11 | 0.033495 | 1.68E-07 | 5.03E-10 | 0.300073 |
| *SA* | 1112 | 556 | 1.71E-07 | 5.77E-11 | 0.033796 | 1.66E-07 | 4.04E-10 | 0.244 |
| *SA* | 1116 | 558 | 1.67E-07 | 5.77E-11 | 0.034586 | 1.63E-07 | 2.89E-10 | 0.17761 |
| *SA* | 1124 | 562 | 1.72E-07 | 1E-10 | 0.05814 | 1.67E-07 | 6.66E-10 | 0.398782 |
| *SA* | 1128 | 564 | 1.64E-07 | 5.77E-11 | 0.035104 | 1.6E-07 | 6.11E-10 | 0.381722 |
| *SA* | 1136 | 568 | 1.61E-07 | 5.77E-11 | 0.035779 | 1.58E-07 | 6.24E-10 | 0.396508 |
| *SA* | 1140 | 570 | 1.64E-07 | 5.77E-11 | 0.035276 | 1.59E-07 | 5.29E-10 | 0.331964 |
| *SA* | 1148 | 574 | 1.65E-07 | 1.15E-10 | 0.069968 | 1.6E-07 | 3.51E-10 | 0.219584 |
| *SA* | 1156 | 578 | 1.64E-07 | 5.77E-11 | 0.035133 | 1.6E-07 | 6.66E-10 | 0.415021 |
| *SA* | 1160 | 580 | 1.68E-07 | 1E-10 | 0.059701 | 1.62E-07 | 6.81E-10 | 0.420004 |
| *SA* | 1168 | 584 | 1.6E-07 | 1.15E-10 | 0.072229 | 1.56E-07 | 6.11E-10 | 0.392008 |
| *SA* | 1172 | 586 | 1.6E-07 | 5.77E-11 | 0.036099 | 1.56E-07 | 8.54E-10 | 0.5491 |
| *SA* | 1180 | 590 | 1.6E-07 | 1E-10 | 0.062696 | 1.56E-07 | 4E-10 | 0.257069 |
| *SA* | 1184 | 592 | 1.59E-07 | 5.77E-11 | 0.036205 | 1.56E-07 | 5.57E-10 | 0.356679 |
| *SA* | 1192 | 596 | 1.65E-07 | 5.77E-11 | 0.034998 | 1.62E-07 | 2.39E-09 | 1.473186 |
| *SA* | 1196 | 598 | 1.65E-07 | 0 | 0 | 1.61E-07 | 2.65E-10 | 0.164742 |
| *SA* | 1204 | SA602 | 1.71E-07 | 5.77E-11 | 0.033836 | 1.6E-07 | 1.01E-09 | 0.63357 |
| *SA* | 1210 | SA605 | 1.66E-07 | 5.77E-11 | 0.034794 | 1.56E-07 | 7.64E-10 | 0.48886 |
| *SA* | 1212 | SA606 | 1.68E-07 | 1.53E-10 | 0.091123 | 1.58E-07 | 5.69E-10 | 0.359813 |
| *SA* | 1218 | SA608 | 1.75E-07 | 5.77E-11 | 0.033061 | 1.64E-07 | 4.36E-10 | 0.26514 |
| *SA* | 1224 | SA611 | 1.73E-07 | 5.77E-11 | 0.033309 | 1.63E-07 | 4.73E-10 | 0.289159 |
| *SA* | 1226 | SA612 | 1.72E-07 | 1E-10 | 0.058072 | 1.62E-07 | 2.52E-10 | 0.155123 |
| *SA* | 1230 | SA614 | 1.71E-07 | 5.77E-11 | 0.033717 | 1.61E-07 | 1.28E-09 | 0.791025 |
| *SA* | 1232 | SA615 | 1.74E-07 | 1.15E-10 | 0.066413 | 1.64E-07 | 3.61E-10 | 0.219449 |
| *SA* | 1238 | SA618 | 1.73E-07 | 1.15E-10 | 0.066759 | 1.63E-07 | 6.11E-10 | 0.374241 |
| *SA* | 1242 | SA620 | 1.77E-07 | 5.77E-11 | 0.03268 | 1.66E-07 | 6.24E-10 | 0.375978 |
| *SA* | 1244 | SA621 | 1.74E-07 | 5.77E-11 | 0.03327 | 1.63E-07 | 5.29E-10 | 0.323837 |
| *SA* | 1250 | SA624 | 1.89E-07 | 5.77E-11 | 0.030575 | 1.75E-07 | 5.13E-10 | 0.292677 |
| *SA* | 1258 | SA627 | 1.82E-07 | 5.77E-11 | 0.031641 | 1.7E-07 | 7.94E-10 | 0.467723 |
| *SA* | 1264 | SA630 | 1.8E-07 | 5.77E-11 | 0.032016 | 1.69E-07 | 7.21E-10 | 0.427959 |
| *SA* | 1266 | SA631 | 1.81E-07 | 0 | 0 | 1.69E-07 | 6.81E-10 | 0.403091 |
| *SA* | 1272 | SA634 | 1.77E-07 | 5.77E-11 | 0.032606 | 1.66E-07 | 5.29E-10 | 0.317999 |
| *SA* | 1276 | SA636 | 1.75E-07 | 1E-10 | 0.057208 | 1.65E-07 | 4.93E-10 | 0.299386 |
| *SA* | 1280 | SA639 | 1.81E-07 | 1.53E-10 | 0.084316 | 1.71E-07 | 4.73E-10 | 0.276795 |
| *SA* | 1282 | SA640 | 1.81E-07 | 5.77E-11 | 0.031921 | 1.71E-07 | 7.21E-10 | 0.421949 |
| *SA* | 1286 | SA642 | 1.78E-07 | 1.53E-10 | 0.08588 | 1.67E-07 | 7E-10 | 0.41866 |
| *SA* | 1290 | SA644 | 1.73E-07 | 0 | 0 | 1.63E-07 | 4.58E-10 | 0.28114 |
| *SA* | 1292 | SA645 | 1.74E-07 | 1.15E-10 | 0.066349 | 1.65E-07 | 4.93E-10 | 0.29975 |
| *SA* | 1302 | SA650 | 1.75E-07 | 0 | 0 | 1.64E-07 | 6.66E-10 | 0.404926 |
| *SA* | 1306 | SA652 | 1.77E-07 | 5.77E-11 | 0.03257 | 1.68E-07 | 4.16E-10 | 0.248458 |
| *SA* | 1310 | SA654 | 1.7E-07 | 5.77E-11 | 0.033948 | 1.6E-07 | 4.16E-10 | 0.259775 |
| *SA* | 1316 | SA657 | 1.52E-07 | 5.77E-11 | 0.038101 | 1.44E-07 | 7.23E-10 | 0.504007 |
| *SA* | 1318 | SA658 | 1.5E-07 | 5.77E-11 | 0.038456 | 1.42E-07 | 7.21E-10 | 0.50854 |
| *SA* | 1324 | SA661 | 1.46E-07 | 5.77E-11 | 0.039662 | 1.38E-07 | 7.77E-10 | 0.564632 |
| *SA* | 1328 | SA663 | 1.7E-07 | 5.77E-11 | 0.033915 | 1.61E-07 | 7.21E-10 | 0.448173 |
| *SA* | 1332 | SA665 | 1.61E-07 | 5.77E-11 | 0.035853 | 1.52E-07 | 4.36E-10 | 0.286581 |
| *SA* | 1336 | SA667 | 1.48E-07 | 5.77E-11 | 0.039001 | 1.4E-07 | 5.51E-10 | 0.393024 |
| *SA* | 1340 | SA669 | 1.48E-07 | 2.89E-10 | 0.195491 | 1.4E-07 | 8.33E-10 | 0.592926 |
| *SA* | 1346 | SA672 | 1.45E-07 | 5.77E-11 | 0.039854 | 1.38E-07 | 5.57E-10 | 0.404928 |
| *SA* | 1350 | SA674 | 1.51E-07 | 1E-10 | 0.066225 | 1.44E-07 | 3.79E-10 | 0.2634 |
| *SA* | 1356 | SA677 | 1.41E-07 | 0 | 0 | 1.34E-07 | 6.66E-10 | 0.495288 |
| *SA* | 1360 | SA679 | 1.45E-07 | 0 | 0 | 1.37E-07 | 6.24E-10 | 0.454843 |
| *SA* | 1364 | SA681 | 1.45E-07 | 1.53E-10 | 0.105395 | 1.4E-07 | 4.36E-10 | 0.312019 |
| *SA* | 1368 | SA683 | 1.46E-07 | 5.77E-11 | 0.039508 | 1.38E-07 | 5.69E-10 | 0.410757 |
| *SA* | 1372 | SA685 | 1.41E-07 | 1.15E-10 | 0.081874 | 1.35E-07 | 5.51E-10 | 0.409383 |
| *SA* | 1376 | SA687 | 1.44E-07 | 1E-10 | 0.069589 | 1.36E-07 | 5.51E-10 | 0.403584 |
| *SA* | 1380 | SA689 | 1.46E-07 | 1.15E-10 | 0.078999 | 1.39E-07 | 3.61E-10 | 0.260141 |
| *SA* | 1384 | SA691 | 1.47E-07 | 5.77E-11 | 0.039258 | 1.39E-07 | 3.06E-10 | 0.219735 |
| *SA* | 1386 | SA693 | 1.48E-07 | 1.15E-10 | 0.077845 | 1.41E-07 | 4.58E-10 | 0.324545 |
| *SA* | 1390 | SA695 | 1.53E-07 | 0 | 0 | 1.44E-07 | 7.94E-10 | 0.551198 |
| *SA* | 1394 | SA697 | 1.49E-07 | 1.15E-10 | 0.077583 | 1.41E-07 | 6.66E-10 | 0.470775 |
| *SA* | 1400 | SA700 | 1.48E-07 | 5.77E-11 | 0.038975 | 1.41E-07 | 3.51E-10 | 0.249838 |
| *LN* | 664 | LN-8\_1 | 1.45E-07 | 5.77E-10 | 0.39909 | 1.4E-07 | 3.21E-10 | 0.230379 |
| *LN* | 666 | LN-8\_2 | 1.48E-07 | 1.73E-10 | 0.116794 | 1.44E-07 | 1.02E-09 | 0.710647 |
| *LN* | 668 | LN-8\_3 | 1.49E-07 | 1.53E-10 | 0.102702 | 1.42E-07 | 5.03E-10 | 0.353374 |
| *LN* | 670 | LN-8\_4 | 1.52E-07 | 5.77E-11 | 0.038042 | 1.46E-07 | 4.51E-10 | 0.308501 |
| *LN* | 672 | LN-8\_5 | 1.51E-07 | 1.15E-10 | 0.076555 | 1.45E-07 | 2.52E-10 | 0.173281 |
| *LN* | 674 | LN-8\_6 | 1.58E-07 | 1E-10 | 0.063251 | 1.53E-07 | 1.81E-09 | 1.186631 |
| *LN* | 676 | LN-8\_7 | 1.55E-07 | 0 | 0 | 1.5E-07 | 2.37E-09 | 1.576695 |
| *LN* | 678 | LN-8\_8 | 1.51E-07 | 5.77E-11 | 0.038244 | 1.45E-07 | 4.73E-10 | 0.326068 |
| *LN* | 680 | LN-8\_9 | 1.52E-07 | 0 | 0 | 1.47E-07 | 2.08E-09 | 1.417035 |
| *LN* | 682 | LN-8\_10 | 1.55E-07 | 1E-10 | 0.064641 | 1.52E-07 | 6.84E-09 | 4.499175 |
| *LN* | 684 | LN-8\_11 | 1.51E-07 | 5.77E-11 | 0.038218 | 1.45E-07 | 6.11E-10 | 0.421289 |
| *LN* | 686 | LN-8\_12 | 1.56E-07 | 5.77E-11 | 0.037089 | 1.5E-07 | 9.17E-10 | 0.612235 |
| *LN* | 688 | LN-8\_13 | 1.55E-07 | 5.77E-11 | 0.03716 | 1.49E-07 | 3.51E-10 | 0.235276 |
| *LN* | 690 | LN-8\_14 | 1.64E-07 | 5.77E-11 | 0.035176 | 1.59E-07 | 3.51E-10 | 0.220273 |
| *LN* | 692 | LN-8\_15 | 1.71E-07 | 3.78E-09 | 2.21125 | 1.64E-07 | 2.65E-10 | 0.161622 |
| *LN* | 694 | LN-8\_16 | 1.66E-07 | 1E-10 | 0.060241 | 1.61E-07 | 2.52E-10 | 0.156279 |
| *LN* | 696 | LN-8\_17 | 2E-07 | 1E-10 | 0.0501 | 1.92E-07 | 3.06E-10 | 0.158731 |
| *LN* | 698 | LN-8\_18 | 1.71E-07 | 5.77E-11 | 0.03375 | 1.66E-07 | 4.51E-10 | 0.272353 |
| *LN* | 700 | LN-8\_19 | 1.78E-07 | 5.77E-11 | 0.032448 | 1.73E-07 | 2E-10 | 0.115875 |
| *LN* | 702 | LN-8\_20 | 1.73E-07 | 5.77E-11 | 0.033405 | 1.68E-07 | 2.31E-10 | 0.137683 |
| *LN* | 704 | LN-8\_21 | 1.71E-07 | 5.77E-11 | 0.033856 | 1.65E-07 | 1.53E-10 | 0.092391 |
| *LN* | 706 | LN-8\_22 | 1.75E-07 | 1.15E-10 | 0.066008 | 1.7E-07 | 2.65E-10 | 0.155908 |
| *LN* | 708 | LN-8\_23 | 1.71E-07 | 5.77E-11 | 0.033737 | 1.66E-07 | 2.08E-10 | 0.125502 |
| *LN* | 710 | LN-8\_24 | 1.72E-07 | 1.65E-09 | 0.959329 | 1.65E-07 | 1.53E-10 | 0.092391 |
| *LN* | 712 | LN-8\_25 | 1.71E-07 | 5.77E-11 | 0.033829 | 1.65E-07 | 1E-10 | 0.060496 |
| *LN* | 714 | LN-8\_26 | 1.67E-07 | 5.77E-11 | 0.034565 | 1.62E-07 | 0 | 0 |
| *LN* | 716 | LN-8\_27 | 1.66E-07 | 1.53E-10 | 0.091983 | 1.61E-07 | 2E-10 | 0.124301 |
| *LN* | 718 | LN-8\_28 | 1.71E-07 | 5.77E-11 | 0.033678 | 1.66E-07 | 1.53E-10 | 0.092205 |
| *LN* | 720 | LN-8\_29 | 1.65E-07 | 1E-10 | 0.060716 | 1.59E-07 | 5.77E-11 | 0.036235 |
| *LN* | 722 | LN-8\_30(2) | 1.64E-07 | 5.77E-11 | 0.035233 | 1.58E-07 | 1.73E-10 | 0.109347 |
| *LN* | 724 | LN-8\_31(2) | 1.66E-07 | 0 | 0 | 1.61E-07 | 8.5E-08 | 52.93794 |
| *LN* | 726 | LN-8\_32 | 1.61E-07 | 5.77E-11 | 0.035897 | 1.56E-07 | 2.31E-10 | 0.147723 |
| *LN* | 728 | LN-8\_33 | 1.62E-07 | 4.51E-10 | 0.27875 | 1.57E-07 | 1.15E-10 | 0.073563 |
| *LN* | 730 | LN-8\_34 | 1.67E-07 | 5.77E-11 | 0.034565 | 1.62E-07 | 3.46E-10 | 0.213966 |
| *LN* | 732 | LN-8\_35 | 1.74E-07 | 1E-10 | 0.057537 | 1.68E-07 | 2.65E-10 | 0.157673 |
| *LN* | 734 | LN-8\_36 | 1.68E-07 | 5.77E-11 | 0.034352 | 1.63E-07 | 1.53E-10 | 0.093809 |
| *LN* | 736 | LN-8\_37 | 1.73E-07 | 0 | 0 | 1.67E-07 | 2.08E-10 | 0.124303 |
| *LN* | 738 | LN-8\_38 | 1.74E-07 | 1.53E-10 | 0.087571 | 1.69E-07 | 1.53E-10 | 0.090583 |
| *LN* | 740 | LN-8\_39 | 1.73E-07 | 5.77E-11 | 0.033463 | 1.67E-07 | 1E-10 | 0.059952 |
| *LN* | 742 | LN-8\_40 | 1.73E-07 | 3.46E-10 | 0.200353 | 1.67E-07 | 1.15E-10 | 0.069047 |
| *LN* | 740 | LN-8\_41 | 1.75E-07 | 1E-10 | 0.057045 | 1.69E-07 | 5.77E-11 | 0.034095 |
| *LN* | 742 | LN-9\_1 | 1.72E-07 | 5.77E-11 | 0.033534 | 1.64E-07 | 2.65E-10 | 0.161032 |
| *LN* | 744 | LN-9\_2 | 1.71E-07 | 1.15E-10 | 0.067513 | 1.63E-07 | 2.08E-10 | 0.127605 |
| *LN* | 746 | LN-9\_3 | 1.72E-07 | 1.53E-10 | 0.088569 | 1.64E-07 | 6.24E-10 | 0.380793 |
| *LN* | 748 | LN-9\_4 | 1.7E-07 | 5.77E-11 | 0.033929 | 1.62E-07 | 4.04E-10 | 0.249114 |
| *LN* | 750 | LN-9\_5 | 1.7E-07 | 1E-10 | 0.058928 | 1.62E-07 | 5.77E-11 | 0.035646 |
| *LN* | 752 | LN-9\_6 | 1.68E-07 | 5.77E-11 | 0.034318 | 1.6E-07 | 2.31E-10 | 0.144187 |
| *LN* | 754 | LN-9\_7 | 1.69E-07 | 1.53E-10 | 0.090208 | 1.61E-07 | 2.31E-10 | 0.143026 |
| *LN* | 756 | LN-9\_8 | 1.72E-07 | 1.53E-10 | 0.088999 | 1.64E-07 | 2.89E-10 | 0.176416 |
| *LN* | 758 | LN-9\_9 | 1.69E-07 | 5.77E-11 | 0.034136 | 1.61E-07 | 3.21E-10 | 0.199703 |
| *LN* | 760 | LN-9\_10 | 1.7E-07 | 1.73E-10 | 0.101646 | 1.62E-07 | 5.77E-11 | 0.035624 |
| *LN* | 762 | LN-9\_11 | 1.65E-07 | 2.52E-10 | 0.152368 | 1.57E-07 | 1.15E-10 | 0.073485 |
| *LN* | 764 | LN-9\_12 | 1.62E-07 | 2.52E-10 | 0.155091 | 1.55E-07 | 2.08E-10 | 0.134446 |
| *LN* | 766 | LN-9\_1B | 1.61E-07 | 1E-10 | 0.062035 | 1.54E-07 | 1.53E-10 | 0.099405 |
| *LN* | 768 | LN-9\_2B | 1.58E-07 | 5.77E-11 | 0.036572 | 1.5E-07 | 1.73E-10 | 0.115163 |
| *LN* | 770 | LN-9\_3B | 1.61E-07 | 1.53E-10 | 0.095133 | 1.53E-07 | 2E-10 | 0.130634 |
| *LN* | 772 | LN-9\_4B | 1.59E-07 | 1.53E-10 | 0.096273 | 1.51E-07 | 1E-10 | 0.06605 |
| *LN* | 774 | LN-9\_5B | 1.55E-07 | 1.53E-10 | 0.098444 | 1.48E-07 | 5.77E-11 | 0.039001 |
| *LN* | 776 | LN-9\_6B | 1.54E-07 | 2.08E-10 | 0.135115 | 1.47E-07 | 1.15E-10 | 0.078587 |
| *LN* | 778 | LN-9\_7B | 1.56E-07 | 1E-10 | 0.064309 | 1.48E-07 | 1E-10 | 0.067385 |
| *LN* | 780 | LN-9\_8B | 1.55E-07 | 4.93E-10 | 0.317568 | 1.48E-07 | 5.77E-11 | 0.039001 |
| *LN* | 782 | LN-9\_9B | 1.59E-07 | 2.52E-10 | 0.158643 | 1.5E-07 | 5.77E-11 | 0.038379 |
| *LN* | 784 | LN-9\_10B | 1.62E-07 | 3.21E-10 | 0.198103 | 1.55E-07 | 5.77E-11 | 0.03728 |
| *LN* | 786 | LN-9\_11B | 1.58E-07 | 6.66E-10 | 0.420261 | 1.51E-07 | 1E-10 | 0.066313 |
| *LN* | 788 | LN-9\_12B | 1.57E-07 | 1E-10 | 0.063816 | 1.49E-07 | 1.53E-10 | 0.102427 |
| *LN* | 790 | LN-9\_13B | 1.52E-07 | 1.53E-10 | 0.100341 | 1.45E-07 | 5.77E-11 | 0.039826 |
| *LN* | 792 | LN-9\_14B | 1.56E-07 | 5.77E-11 | 0.036923 | 1.49E-07 | 1.53E-10 | 0.102841 |
| *LN* | 794 | LN-9\_15B | 1.59E-07 | 5.77E-11 | 0.036388 | 1.51E-07 | 5.77E-11 | 0.038227 |
| *LN* | 796 | LN-9\_16B | 1.59E-07 | 5.77E-11 | 0.036319 | 1.51E-07 | 1.53E-10 | 0.101116 |
| *LN* | 798 | LN-9\_17B | 1.58E-07 | 3.03E-09 | 1.922322 | 1.51E-07 | 1.53E-10 | 0.100916 |
| *LN* | 800 | LN-9\_18B | 1.6E-07 | 1E-10 | 0.0625 | 1.51E-07 | 1.53E-10 | 0.100982 |
| *LN* | 802 | LN-9\_19B | 1.69E-07 | 0 | 0 | 1.59E-07 | 1.15E-10 | 0.07241 |
| *LN* | 804 | LN-9\_20B | 1.63E-07 | 5.77E-11 | 0.035449 | 1.55E-07 | 1E-10 | 0.064599 |
| *LN* | 806 | LN-9\_21B | 1.64E-07 | 1.53E-10 | 0.092934 | 1.55E-07 | 5.77E-11 | 0.037184 |
| *LN* | 808 | LN-9\_22B | 1.66E-07 | 5.77E-11 | 0.034808 | 1.56E-07 | 1.53E-10 | 0.097689 |
| *LN* | 810 | LN-9\_23B | 1.67E-07 | 1.15E-10 | 0.069034 | 1.57E-07 | 1.73E-10 | 0.110533 |
| *LN* | 812 | LN-9\_24B | 1.67E-07 | 1.15E-10 | 0.069282 | 1.57E-07 | 1.15E-10 | 0.073376 |
| *LN* | 814 | LN-9\_25B | 1.69E-07 | 5.77E-11 | 0.034196 | 1.59E-07 | 5.77E-11 | 0.036213 |
| *LN* | 816 |  | 1.69E-07 | 2E-10 | 0.118343 | 1.6E-07 | 1E-10 | 0.062344 |
| *LN* | 818 | LN-9\_27B | 1.73E-07 | 1.15E-10 | 0.066836 | 1.59E-07 | 5.77E-11 | 0.036235 |
| *LN* | 820 | LN-9\_28B | 1.76E-07 | 4.62E-10 | 0.261886 | 1.63E-07 | 5.77E-11 | 0.035471 |
| *LN* | 822 | LN-9\_29B | 1.72E-07 | 1.53E-10 | 0.088569 | 1.66E-07 | 5.77E-11 | 0.034787 |
| *LN* | 824 | LN-9\_30B | 1.77E-07 | 1.73E-10 | 0.097856 | 1.63E-07 | 5.77E-11 | 0.035457 |
| *LN* | 826 | LN-9\_31B | 1.77E-07 | 5.77E-11 | 0.032613 | 1.67E-07 | 0 | 0 |
| *LN* | 828 | LN-9\_32B | 1.75E-07 | 3.51E-10 | 0.201177 | 1.67E-07 | 0 | 0 |
| *LN* | 830 | LN-9\_33B | 1.74E-07 | 3.06E-10 | 0.175847 | 1.64E-07 | 5.77E-11 | 0.035112 |
| *LN* | 832 | LN-9\_34B | 1.75E-07 | 1E-10 | 0.057078 | 1.63E-07 | 2.08E-10 | 0.127371 |
| *LN* | 834 | LN-9\_35B | 1.72E-07 | 3.06E-10 | 0.178102 | 1.64E-07 | 0 | 0 |
| *LN* | 836 | LN-9\_36B | 1.73E-07 | 1.53E-10 | 0.08816 | 1.62E-07 | 5.77E-11 | 0.03572 |
| *LN* | 838 | LN-9\_37B | 1.74E-07 | 2.08E-10 | 0.119866 | 1.63E-07 | 5.77E-11 | 0.035406 |
| *LN* | 840 | LN-9\_38B | 1.78E-07 | 5.77E-11 | 0.032521 | 1.63E-07 | 5.77E-11 | 0.035348 |
| *LN* | 842 | LN-9\_39B | 1.75E-07 | 3.21E-10 | 0.18418 | 1.67E-07 | 5.77E-11 | 0.034544 |
| *LN* | 844 | LN-9\_40B | 1.76E-07 | 1.53E-10 | 0.086578 | 1.64E-07 | 1E-10 | 0.060864 |
| *LN* | 846 | LN-9\_41B | 1.83E-07 | 2.08E-10 | 0.113835 | 1.66E-07 | 0 | 0 |
| *LN* | 848 | LN-9\_42B | 1.79E-07 | 2.08E-10 | 0.116078 | 1.73E-07 | 5.77E-11 | 0.033418 |
| *LN* | 850 | LN-9\_43B | 1.81E-07 | 3.21E-10 | 0.177927 | 1.69E-07 | 3.61E-10 | 0.213094 |
| *LN* | 852 | LN-9\_44B | 1.79E-07 | 2.31E-10 | 0.129065 | 1.7E-07 | 1.53E-10 | 0.090102 |
| *LN* | 854 | LN-9\_45B | 1.81E-07 | 1E-10 | 0.055371 | 1.69E-07 | 5.77E-11 | 0.034237 |
| *LN* | 856 | LN-9\_46B | 1.81E-07 | 1.73E-10 | 0.095746 | 1.7E-07 | 1E-10 | 0.05872 |
| *LN* | 858 | LN-9\_47B | 1.77E-07 | 2.08E-10 | 0.117299 | 1.7E-07 | 1.53E-10 | 0.089784 |
| *LN* | 860 | LN-9\_48B | 1.74E-07 | 2.31E-10 | 0.132673 | 1.67E-07 | 5.77E-11 | 0.03462 |
| *LN* | 862 | LN-9\_49B | 1.81E-07 | 1.53E-10 | 0.084363 | 1.68E-07 | 1E-10 | 0.059382 |
| *LN* | 864 | LN-9\_50B | 1.81E-07 | 7.07E-11 | 0.039099 | 1.7E-07 | 5.77E-11 | 0.033889 |
| *LN* | 866 | LN-9\_51B | 1.82E-07 | 5.29E-10 | 0.291062 | 1.7E-07 | 2.08E-10 | 0.122259 |
| *LN* | 868 | LN-9\_52B | 1.81E-07 | 1.53E-10 | 0.084471 | 1.71E-07 | 5.77E-11 | 0.033829 |
| *LN* | 870 | LN-9\_53B | 1.81E-07 | 1.53E-10 | 0.084239 | 1.7E-07 | 1.15E-10 | 0.067897 |
| *LN* | 872 | LN-9\_54B | 1.84E-07 | 5.77E-11 | 0.031315 | 1.72E-07 | 1.73E-10 | 0.100525 |
| *LN* | 874 | LN-9\_55B | 1.85E-07 | 4.04E-10 | 0.218496 | 1.74E-07 | 1.53E-10 | 0.087907 |
| *LN* | 876 | LN-9\_56B | 1.87E-07 | 7.09E-10 | 0.379932 | 1.74E-07 | 3.46E-10 | 0.198858 |
| *LN* | 878 | LN-9\_57B | 1.84E-07 | 4.04E-10 | 0.219724 | 1.76E-07 | 1.53E-10 | 0.086824 |
| *LN* | 880 | LN-9\_58B | 1.84E-07 | 1.15E-10 | 0.062778 | 1.74E-07 | 5.77E-11 | 0.033264 |
| *LN* | 882 | LN-9\_59B | 1.81E-07 | 6.66E-10 | 0.366985 | 1.73E-07 | 1E-10 | 0.05777 |
| *LN* | 884 | LN-9\_60B | 1.77E-07 | 4.58E-10 | 0.259195 | 1.7E-07 | 5.77E-11 | 0.033975 |
| *LN* | 886 | LN-9\_61B | 1.77E-07 | 2E-10 | 0.113122 | 1.66E-07 | 5.77E-11 | 0.03469 |
| *LN* | 888 | LN-9\_62B | 1.75E-07 | 1.53E-10 | 0.087404 | 1.66E-07 | 0 | 0 |
| *LN* | 890 | LN-9\_63B | 1.74E-07 | 7.07E-11 | 0.040603 | 1.64E-07 | 7.07E-11 | 0.043051 |
| *LN* | 892 | LN-9\_64B | 1.82E-07 | 0 | 0 | 1.64E-07 | 5.77E-11 | 0.035298 |
| *LN* | 907 | LN-10\_1 | 1.83E-07 | 9.54E-10 | 0.522706 | 1.72E-07 | 0 | 0 |
| *LN* | 909 | LN-10\_2 | 1.8E-07 | 1E-10 | 0.055679 | 1.72E-07 | 0 | 0 |
| *LN* | 911 | LN-10\_3 | 1.8E-07 | 5.77E-11 | 0.032087 | 1.7E-07 | 3.24E-23 | 1.91E-14 |
| *LN* | 913 | LN-10\_4 | 1.8E-07 | 5.77E-11 | 0.032045 | 1.7E-07 | 1.73E-10 | 0.101825 |
| *LN* | 915 | LN-10\_5 | 1.82E-07 | 1E-10 | 0.055006 | 1.71E-07 | 5.77E-11 | 0.033849 |
| *LN* | 917 | LN-10\_6 | 1.83E-07 | 5.77E-11 | 0.031509 | 1.72E-07 | 5.77E-11 | 0.033521 |
| *LN* | 919 | LN-10\_7 | 1.8E-07 | 1E-10 | 0.055648 | 1.73E-07 | 5.77E-11 | 0.033283 |
| *LN* | 921 | LN-10\_8 | 1.79E-07 | 6.43E-10 | 0.359435 | 1.7E-07 | 1E-10 | 0.058824 |
| *LN* | 923 | LN-10\_9 | 1.8E-07 | 2.52E-10 | 0.140175 | 1.7E-07 | 0 | 0 |
| *LN* | 925 | LN-10\_10 | 1.79E-07 | 2.52E-10 | 0.14054 | 1.71E-07 | 0 | 0 |
| *LN* | 927 | LN-10\_11 | 1.81E-07 | 5.51E-10 | 0.304342 | 1.7E-07 | 0 | 0 |
| *LN* | 929 | LN-10\_12 | 1.81E-07 | 2.52E-10 | 0.13886 | 1.71E-07 | 1.15E-10 | 0.067382 |
| *LN* | 931 | LN-10\_13 | 1.81E-07 | 3.06E-10 | 0.169192 | 1.72E-07 | 1E-10 | 0.058106 |
| *LN* | 933 | LN-10\_14 | 1.79E-07 | 3.46E-10 | 0.193201 | 1.72E-07 | 5.77E-11 | 0.033652 |
| *LN* | 935 | LN-10\_15 | 1.77E-07 | 2.89E-10 | 0.163124 | 1.68E-07 | 2.48E-09 | 1.474524 |
| *LN* | 937 | LN-10\_16 | 1.86E-07 | 3E-10 | 0.16129 | 1.68E-07 | 5.77E-11 | 0.034352 |
| *LN* | 939 | LN-10\_17 | 1.81E-07 | 1E-10 | 0.055402 | 1.77E-07 | 5.77E-11 | 0.032662 |
| *LN* | 941 | LN-10\_18 | 1.83E-07 | 2.65E-10 | 0.144735 | 1.75E-07 | 4.82E-09 | 2.760718 |
| *LN* | 943 | LN-10\_19 | 1.85E-07 | 2.65E-10 | 0.143014 | 1.74E-07 | 0 | 0 |
| *LN* | 945 | LN-10\_20 | 1.81E-07 | 9.97E-09 | 5.507713 | 1.75E-07 | 1E-10 | 0.057045 |
| *LN* | 947 | LN-10\_21 | 1.88E-07 | 2.11E-09 | 1.122362 | 1.76E-07 | 1.73E-10 | 0.098356 |
| *LN* | 949 | LN-10\_22 | 1.86E-07 | 5E-10 | 0.269542 | 1.78E-07 | 1.53E-10 | 0.085688 |
| *LN* | 951 | LN-10\_23 | 1.87E-07 | 8.14E-10 | 0.434452 | 1.76E-07 | 1.15E-10 | 0.065521 |
| *LN* | 953 | LN-10\_24 | 1.87E-07 | 6.66E-10 | 0.355427 | 1.78E-07 | 1E-10 | 0.056338 |
| *LN* | 955 | LN-10\_25 | 1.87E-07 | 2.31E-09 | 1.234696 | 1.78E-07 | 5.77E-11 | 0.032441 |
| *LN* | 957 | LN-10\_26 | 1.81E-07 | 2.04E-09 | 1.125855 | 1.77E-07 | 1.53E-10 | 0.086366 |
| *LN* | 959 | LN-10\_27 | 1.85E-07 | 1.6E-09 | 0.86727 | 1.74E-07 | 1E-10 | 0.057504 |
| *LN* | 961 | LN-10\_28 | 1.89E-07 | 1.53E-10 | 0.080637 | 1.77E-07 | 1.53E-10 | 0.086529 |
| *LN* | 1018 | LN-11\_1 | 1.9E-07 | 5.77E-11 | 0.030408 | 1.78E-07 | 3.79E-10 | 0.213092 |
| *LN* | 1020 | LN-11\_2 | 1.87E-07 | 1.53E-10 | 0.08189 | 1.78E-07 | 3.61E-10 | 0.202332 |
| *LN* | 1022 | LN-11\_3 | 1.84E-07 | 5.77E-11 | 0.031366 | 1.75E-07 | 3.21E-10 | 0.183444 |
| *LN* | 1024 | LN-11\_4 | 1.86E-07 | 2.31E-10 | 0.12434 | 1.73E-07 | 3.51E-10 | 0.203077 |
| *LN* | 1026 | LN-11\_5 | 1.86E-07 | 1E-10 | 0.05385 | 1.74E-07 | 3.06E-10 | 0.175611 |
| *LN* | 1028 | LN-11\_6 | 1.88E-07 | 1.53E-10 | 0.081223 | 1.74E-07 | 2E-10 | 0.114745 |
| *LN* | 1030 | LN-11\_7 | 1.87E-07 | 2.65E-10 | 0.14156 | 1.76E-07 | 2.08E-10 | 0.11812 |
| *LN* | 1032 | LN-11\_8 | 1.81E-07 | 7.07E-11 | 0.039099 | 1.75E-07 | 1.15E-10 | 0.065882 |
| *LN* | 1034 | LN-11\_9 | 1.78E-07 | 5.77E-11 | 0.032411 | 1.71E-07 | 1.53E-10 | 0.089521 |
| *LN* | 1036 | LN-11\_10 | 1.89E-07 | 4.04E-10 | 0.214022 | 1.68E-07 | 1.73E-10 | 0.103037 |
| *LN* | 1038 | LN-11\_11 | 1.75E-07 | 2.08E-10 | 0.119043 | 1.79E-07 | 2.31E-10 | 0.128969 |
| *LN* | 1040 | LN-11\_11B | 1.74E-07 | 1E-10 | 0.057604 | 1.65E-07 | 1E-10 | 0.060496 |
| *LN* | 1042 | LN-11\_12 | 1.77E-07 | 1.15E-10 | 0.065139 | 1.65E-07 | 3.21E-10 | 0.195374 |
| *LN* | 1044 | LN-11\_13 | 1.79E-07 | 5.77E-11 | 0.032176 | 1.68E-07 | 4.04E-10 | 0.240658 |
| *LN* | 1046 | LN-11\_14 | 1.78E-07 | 2E-10 | 0.112233 | 1.7E-07 | 2.52E-10 | 0.148239 |
| *LN* | 1048 | LN-11\_15 | 1.86E-07 | 2.08E-10 | 0.112078 | 1.69E-07 | 2.65E-10 | 0.156553 |
| *LN* | 1050 | LN-11\_16 | 1.87E-07 | 1.15E-10 | 0.061804 | 1.76E-07 | 2.08E-10 | 0.118523 |
| *LN* | 1052 | LN-11\_17 | 1.84E-07 | 1.73E-10 | 0.094031 | 1.77E-07 | 1.53E-10 | 0.086366 |
| *LN* | 1056 | LN-11\_19 | 1.88E-07 | 2.65E-10 | 0.140806 | 1.75E-07 | 2E-10 | 0.114548 |
| *LN* | 1058 | LN-11\_20 | 1.89E-07 | 1.73E-10 | 0.091449 | 1.79E-07 | 5.77E-11 | 0.03232 |
| *LN* | 1060 | LN-11\_21 | 1.88E-07 | 1.53E-10 | 0.081136 | 1.8E-07 | 1.53E-10 | 0.08469 |
| *LN* | 1062 | LN-11\_22 | 1.87E-07 | 2.08E-10 | 0.111042 | 1.82E-07 | 4.22E-09 | 2.318521 |
| *LN* | 1064 | LN-11\_23 | 1.92E-07 | 1E-10 | 0.052002 | 1.78E-07 | 1.15E-10 | 0.064737 |
| *LN* | 1066 | LN-11\_24 | 1.9E-07 | 1.53E-10 | 0.080382 | 1.83E-07 | 5.77E-11 | 0.031613 |
| *LN* | 1068 | LN-11\_25 | 1.87E-07 | 2.89E-10 | 0.154758 | 1.81E-07 | 1.53E-10 | 0.084471 |
| *LN* | 1070 | LN-11\_26 | 1.87E-07 | 1.73E-10 | 0.092574 | 1.78E-07 | 1E-10 | 0.056338 |
| *LN* | 1072 | LN-11\_27 | 1.82E-07 | 4.62E-10 | 0.253873 | 1.78E-07 | 4.16E-10 | 0.233458 |
| *LN* | 1073 | LN-11\_28 | 1.83E-07 | 1E-10 | 0.054615 | 1.73E-07 | 2.08E-10 | 0.120096 |
| *LN* | 1074 | LN-11\_29 | 1.83E-07 | 1.73E-10 | 0.094907 | 1.74E-07 | 2.08E-10 | 0.119751 |
| *LN* | 1075 | LN-12\_1 | 1.79E-07 | 5.77E-11 | 0.03217 | 1.74E-07 | 3.21E-10 | 0.185241 |
| *LN* | 1076 | LN-12\_2 | 1.82E-07 | 1.15E-10 | 0.063538 | 1.71E-07 | 3E-10 | 0.17585 |
| *LN* | 1078 | LN-12\_3 | 1.7E-07 | 5.51E-10 | 0.323341 | 1.73E-07 | 2E-10 | 0.115875 |
| *LN* | 1080 | LN-12\_4 | 1.68E-07 | 3E-10 | 0.178784 | 1.62E-07 | 1E-10 | 0.061728 |
| *LN* | 1082 | LN-12\_5 | 1.64E-07 | 1.53E-10 | 0.093066 | 1.59E-07 | 1.53E-10 | 0.09581 |
| *LN* | 1084 | LN-12\_6 | 1.72E-07 | 1.15E-10 | 0.067277 | 1.56E-07 | 2.65E-10 | 0.169599 |
| *LN* | 1086 | LN-12\_7 | 1.7E-07 | 1E-10 | 0.058754 | 1.63E-07 | 3.06E-10 | 0.187158 |
| *LN* | 1088 | LN-12\_8 | 1.71E-07 | 1E-10 | 0.058617 | 1.62E-07 | 1E-10 | 0.06192 |
| *LN* | 1090 | LN-12\_9 | 1.73E-07 | 5.77E-11 | 0.03336 | 1.62E-07 | 1.15E-10 | 0.071219 |
| *LN* | 1092 | LN-12\_10 | 1.7E-07 | 5.77E-11 | 0.034049 | 1.65E-07 | 1.53E-10 | 0.09284 |
| *LN* | 1094 | LN-12\_11 | 1.7E-07 | 5.77E-11 | 0.033988 | 1.61E-07 | 1E-10 | 0.061996 |
| *LN* | 1096 | LN-12\_12 | 1.78E-07 | 1.53E-10 | 0.085993 | 1.62E-07 | 5.77E-11 | 0.03572 |
| *LN* | 1098 | LN-12\_13 | 1.71E-07 | 1E-10 | 0.05848 | 1.68E-07 | 2.08E-10 | 0.123663 |
| *LN* | 1100 | LN-12\_14 | 1.64E-07 | 1E-10 | 0.060976 | 1.62E-07 | 5.77E-11 | 0.035566 |
| *LN* | 1102 | LN-12\_15 | 1.69E-07 | 1E-10 | 0.059067 | 1.56E-07 | 2.65E-10 | 0.170145 |
| *LN* | 1104 | LN-12\_16 | 1.68E-07 | 1.15E-10 | 0.068787 | 1.61E-07 | 2.52E-10 | 0.156766 |
| *LN* | 1106 | LN-12\_17 | 1.68E-07 | 1.73E-10 | 0.103406 | 1.59E-07 | 1.53E-10 | 0.09587 |
| *LN* | 1108 | LN-12\_18 | 1.67E-07 | 2.08E-10 | 0.125 | 1.59E-07 | 5.77E-11 | 0.036395 |
| *LN* | 1109 | LN-12\_19 | 1.71E-07 | 1.15E-10 | 0.067382 | 1.58E-07 | 2E-10 | 0.126743 |
| *LN* | 1110 |  | 1.71E-07 | 5.77E-11 | 0.033671 | 1.75E-07 | 1.15E-10 | 0.066046 |
| *LN* | 1112 | LN-12\_21 | 1.73E-07 | 5.77E-11 | 0.033366 | 1.62E-07 | 5.77E-11 | 0.035602 |
| *LN* | 1114 | LN-12\_22 | 1.76E-07 | 5.77E-11 | 0.032835 | 1.64E-07 | 5.77E-11 | 0.035283 |
| *LN* | 1116 | LN-12\_23 | 1.8E-07 | 5.77E-11 | 0.03214 | 1.66E-07 | 1.53E-10 | 0.091927 |
| *LN* | 1118 | LN-12\_24 | 1.84E-07 | 5.77E-11 | 0.031304 | 1.67E-07 | 5.25E-09 | 3.151013 |
| *LN* | 1119 | LN-12\_25 | 1.86E-07 | 2.08E-10 | 0.111817 | 1.74E-07 | 5.77E-11 | 0.033118 |
| *LN* | 1120 | - | 1.78E-07 | 1.53E-10 | 0.085945 | 1.55E-07 | 3E-10 | 0.194175 |
| *LN* | 1122 | LN-12\_27 | 1.8E-07 | 0 | 0 | 1.7E-07 | 6.66E-10 | 0.391283 |
| *LN* | 1124 | LN-12\_28 | 1.83E-07 | 2.65E-10 | 0.144498 | 1.71E-07 | 4.58E-10 | 0.268301 |
| *LN* | 1126 | LN-12\_29 | 1.81E-07 | 1.53E-10 | 0.084425 | 1.77E-07 | 4.28E-09 | 2.417448 |
| *LN* | 1128 | LN-12\_30 | 1.79E-07 | 1.53E-10 | 0.085416 | 1.72E-07 | 2.31E-10 | 0.13432 |
| *LN* | 1130 | LN-12\_31 | 1.83E-07 | 1.15E-10 | 0.063121 | 1.7E-07 | 2.52E-10 | 0.147891 |
| *LN* | 1132 | LN-12\_32 | 1.83E-07 | 0 | 0 | 1.74E-07 | 1E-10 | 0.057604 |
| *LN* | 1134 | LN-12\_33 | 1.81E-07 | 5.77E-11 | 0.031833 | 1.74E-07 | 1.53E-10 | 0.087554 |
| *LN* | 1136 | LN-12\_34 | 1.79E-07 | 3E-10 | 0.167598 | 1.72E-07 | 3.51E-10 | 0.20414 |
| *LN* | 1138 | LN-12\_35 | 1.79E-07 | 5.77E-11 | 0.032278 | 1.7E-07 | 1.15E-10 | 0.067857 |
| *LN* | 1140 | LN-12\_36 | 1.65E-07 | 5.77E-11 | 0.035083 | 1.7E-07 | 2.08E-10 | 0.122571 |
| *LN* | 1142 | LN-12\_37 | 1.81E-07 | 5.77E-11 | 0.031963 | 1.58E-07 | 1E-10 | 0.063492 |
| *LN* | 1144 | LN-12\_38 | 1.82E-07 | 5.77E-11 | 0.031746 | 1.71E-07 | 1.53E-10 | 0.089207 |
| *LN* | 1146 | LN-12\_39 | 1.81E-07 | 6.08E-10 | 0.336064 | 1.72E-07 | 1.53E-10 | 0.088724 |
| *LN* | 1148 | LN-12\_40 | 1.78E-07 | 5.77E-11 | 0.032521 | 1.71E-07 | 1E-10 | 0.058377 |
| *LN* | 1150 | LN-12\_41 | 1.77E-07 | 1.73E-10 | 0.098078 | 1.68E-07 | 1E-10 | 0.059418 |
| *LN* | 1152 | LN-12\_42 | 1.75E-07 | 2E-10 | 0.114548 | 1.68E-07 | 1E-10 | 0.059701 |
| *LN* | 1154 | LN-12\_43 | 1.73E-07 | 2.08E-10 | 0.12056 | 1.66E-07 | 5.77E-11 | 0.03485 |
| *LN* | 1156 | LN-12\_44 | 1.72E-07 | 5.77E-11 | 0.033612 | 1.63E-07 | 3.79E-10 | 0.231887 |
| *LN* | 1158 | LN-12\_45 | 1.72E-07 | 1.15E-10 | 0.067043 | 1.63E-07 | 1.15E-10 | 0.070899 |
| *LN* | 1160 | LN-12\_46 | 1.72E-07 | 1E-10 | 0.058106 | 1.63E-07 | 5.77E-11 | 0.035326 |
| *LN* | 1162 | LN-12\_47 | 1.69E-07 | 5.77E-11 | 0.034109 | 1.63E-07 | 5.77E-11 | 0.035457 |
| *LN* | 1164 | LN-12\_48 | 1.71E-07 | 1.53E-10 | 0.089312 | 1.6E-07 | 1.15E-10 | 0.071974 |
| *LN* | 1166 | LN-12\_49 | 1.68E-07 | 1.73E-10 | 0.103037 | 1.62E-07 | 5.77E-11 | 0.03569 |
| *LN* | 1168 | LN-12\_50 | 1.68E-07 | 4.16E-10 | 0.247278 | 1.6E-07 | 1.53E-10 | 0.09573 |
| *LN* | 1170 | LN-12\_51 | 1.67E-07 | 5.77E-11 | 0.03462 | 1.6E-07 | 0 | 0 |
| *LN* | 1172 | LN-12\_52 | 1.65E-07 | 5.77E-11 | 0.035069 | 1.59E-07 | 8.08E-10 | 0.509748 |
| *LN* | 1174 | LN-12\_53 | 1.66E-07 | 1E-10 | 0.060277 | 1.56E-07 | 1.73E-10 | 0.1111 |
| *LN* | 1176 | LN-12\_54 | 1.67E-07 | 5.77E-11 | 0.034627 | 1.58E-07 | 2.08E-10 | 0.132141 |
| *LN* | 1178 | LN-12\_55 | 1.65E-07 | 5.77E-11 | 0.035069 | 1.58E-07 | 3.06E-10 | 0.193195 |
| *LN* | 1180 | LN-12\_56 | 1.66E-07 | 5.77E-11 | 0.034766 | 1.56E-07 | 2.52E-10 | 0.161046 |
| *LN* | 1182 | LN-12\_57 | 1.64E-07 | 5.77E-11 | 0.035104 | 1.57E-07 | 4.16E-10 | 0.264563 |
| *LN* | 1183 | LN-12\_58 | 1.65E-07 | 7.07E-11 | 0.042959 | 1.56E-07 | 1E-10 | 0.064144 |
| *LN* | 1184 | - | 1.67E-07 | 1.15E-10 | 0.069213 | 1.63E-07 | 1.21E-08 | 7.433694 |
| *LN* | 1186 | LN-12\_60 | 1.61E-07 | 1.15E-10 | 0.071617 | 1.58E-07 | 1.15E-10 | 0.073021 |
| *LN* | 1188 | LN-12\_61 | 1.66E-07 | 1E-10 | 0.060277 | 1.53E-07 | 5.77E-11 | 0.037719 |
| *LN* | 1190 | LN-12\_62 | 1.59E-07 | 1.53E-10 | 0.096232 | 1.57E-07 | 1.53E-10 | 0.097253 |
| *LN* | 1192 | LN-12\_63 | 1.61E-07 | 1.53E-10 | 0.094897 | 1.51E-07 | 2.31E-10 | 0.153279 |
| *LN* | 1194 | LN-12\_64 | 1.59E-07 | 5.77E-11 | 0.036205 | 1.53E-07 | 1E-10 | 0.065531 |
| *LN* | 1196 | LN-12\_65 | 1.65E-07 | 1.15E-10 | 0.069784 | 1.51E-07 | 5.77E-11 | 0.038151 |
| *LN* | 1198 | LN-12\_66 | 1.66E-07 | 1.15E-10 | 0.069463 | 1.57E-07 | 2.65E-10 | 0.168734 |
| *LN* | 1200 | LN-12\_67 | 1.73E-07 | 5.77E-11 | 0.03336 | 1.58E-07 | 1E-10 | 0.063211 |
| *LN* | 1201 | LN-12\_68 | 1.69E-07 | 1.15E-10 | 0.068299 | 1.64E-07 | 5.77E-11 | 0.035211 |
| *LN* | 1202 | - | 1.65E-07 | 5.77E-11 | 0.034998 | 1.64E-07 | 1.53E-10 | 0.093293 |
| *LN* | 1204 | LN-12\_70 | 1.68E-07 | 1.53E-10 | 0.090942 | 1.56E-07 | 3E-10 | 0.191816 |
| *LN* | 1206 | LN-12\_71 | 1.66E-07 | 1E-10 | 0.060096 | 1.59E-07 | 1.73E-10 | 0.109071 |
| *LN* | 1208 | LN-12\_72 | 1.65E-07 | 5.77E-11 | 0.035069 | 1.58E-07 | 2.08E-10 | 0.132057 |
| *LN* | 1210 | LN-12\_73 | 1.76E-07 | 5.77E-11 | 0.032872 | 1.56E-07 | 1.15E-10 | 0.074098 |
| *LN* | 1212 | LN-12\_74 | 1.74E-07 | 1E-10 | 0.057571 | 1.66E-07 | 1.53E-10 | 0.091983 |
| *LN* | 1214 | LN-12\_75 | 1.73E-07 | 1E-10 | 0.057737 | 1.64E-07 | 5.77E-11 | 0.035147 |
| *LN* | 1216 | LN-12\_76 | 1.73E-07 | 5.77E-11 | 0.033444 | 1.64E-07 | 5.77E-11 | 0.035154 |
| *LN* | 1217 | LN-12\_77 | 1.74E-07 | 5.77E-11 | 0.033118 | 1.64E-07 | 1.53E-10 | 0.093237 |
| *LN* | 1218 |  | 1.68E-07 | 5.77E-11 | 0.034312 | 1.92E-07 | 1.15E-10 | 0.060151 |
| *LN* | 1220 | LN-13\_1 | 1.66E-07 | 1E-10 | 0.060423 | 1.6E-07 | 2.08E-10 | 0.130077 |
| *LN* | 1222 | LN-13\_2 | 1.65E-07 | 1.15E-10 | 0.069883 | 1.58E-07 | 5.77E-11 | 0.036572 |
| *LN* | 1224 | LN-13\_3 | 1.63E-07 | 5.77E-11 | 0.0355 | 1.58E-07 | 5.77E-11 | 0.036595 |
| *LN* | 1226 | LN-13\_4 | 1.6E-07 | 1.53E-10 | 0.095272 | 1.55E-07 | 5.77E-11 | 0.03728 |
| *LN* | 1228 | LN-13\_5 | 1.75E-07 | 1.39E-08 | 7.935822 | 1.53E-07 | 1.15E-10 | 0.075553 |
| *LN* | 1236 | LN-13\_6 | 1.75E-07 | 1.15E-10 | 0.06592 | 1.59E-07 | 2E-10 | 0.125707 |
| *LN* | 1238 | LN-13\_7 | 1.87E-07 | 1.66E-08 | 8.872993 | 1.67E-07 | 2.08E-10 | 0.124551 |
| *LN* | 1240 | LN-13\_8 | 1.78E-07 | 5.77E-11 | 0.032521 | 1.69E-07 | 2.31E-10 | 0.136678 |
| *LN* | 1242 | LN-13\_9 | 1.75E-07 | 1E-10 | 0.057045 | 1.69E-07 | 1.15E-10 | 0.068312 |
| *LN* | 1244 | LN-13\_10 | 1.79E-07 | 1.53E-10 | 0.085131 | 1.67E-07 | 5.77E-11 | 0.034496 |
| *LN* | 1246 | LN-13\_11 | 1.79E-07 | 5.77E-11 | 0.03232 | 1.71E-07 | 1.53E-10 | 0.089294 |
| *LN* | 1248 | LN-13\_12 | 1.77E-07 | 1.53E-10 | 0.08609 | 1.7E-07 | 4.16E-10 | 0.244231 |
| *LN* | 1250 | LN-13\_13 | 1.69E-07 | 2.52E-10 | 0.149029 | 1.7E-07 | 1E-10 | 0.058997 |
| *LN* | 1252 | LN-13\_14 | 1.69E-07 | 5.77E-11 | 0.034116 | 1.61E-07 | 2.89E-10 | 0.179711 |
| *LN* | 1254 | LN-13\_15 | 1.76E-07 | 1.15E-10 | 0.065596 | 1.61E-07 | 1.73E-10 | 0.107514 |
| *LN* | 1256 | LN-13\_16 | 1.69E-07 | 0 | 0 | 1.68E-07 | 2.65E-10 | 0.157861 |
| *LN* | 1258 | LN-13\_17 | 1.71E-07 | 1E-10 | 0.058377 | 1.61E-07 | 5.77E-11 | 0.035823 |
| *LN* | 1260 | LN-13\_18 | 1.74E-07 | 0 | 0 | 1.63E-07 | 5.77E-11 | 0.035384 |
| *LN* | 1262 | LN-13\_19 | 1.79E-07 | 3.46E-10 | 0.193309 | 1.65E-07 | 2.08E-10 | 0.126136 |
| *LN* | 1264 | LN-13\_20 | 1.84E-07 | 5.77E-11 | 0.031406 | 1.71E-07 | 1.15E-10 | 0.067711 |
| *LN* | 1266 | LN-13\_21 | 1.78E-07 | 1E-10 | 0.056085 | 1.76E-07 | 1.73E-10 | 0.098636 |
| *LN* | 1268 | LN-13\_22 | 1.87E-07 | 1E-10 | 0.053619 | 1.7E-07 | 2.52E-10 | 0.147746 |
| *LN* | 1270 | LN-13\_23 | 1.84E-07 | 2.08E-10 | 0.113114 | 1.78E-07 | 1.53E-10 | 0.085832 |
| *LN* | 1272 | LN-13\_24 | 1.72E-07 | 1.15E-10 | 0.067225 | 1.76E-07 | 1E-10 | 0.05698 |
| *LN* | 1274 | LN-13\_25 | 1.72E-07 | 1.73E-10 | 0.100994 | 1.64E-07 | 1.53E-10 | 0.093218 |
| *LN* | 1276 | LN-13\_26 | 1.71E-07 | 5.77E-11 | 0.033697 | 1.63E-07 | 1.73E-10 | 0.106001 |
| *LN* | 1278 | LN-13\_27 | 1.71E-07 | 2.65E-10 | 0.154361 | 1.63E-07 | 2.08E-10 | 0.127371 |
| *LN* | 1280 | LN-13\_20 | 1.75E-07 | 2.65E-10 | 0.151186 | 1.63E-07 | 1.53E-10 | 0.09356 |
| *LN* | 1282 | LN-13\_29 | 1.77E-07 | 1.15E-10 | 0.065078 | 1.67E-07 | 1.53E-10 | 0.091542 |
| *LN* | 1284 | LN-13\_30 | 1.72E-07 | 1E-10 | 0.058207 | 1.69E-07 | 2.52E-10 | 0.148619 |
| *LN* | 1285 | LN-13\_31 | 1.78E-07 | 1.15E-10 | 0.065005 | 1.68E-07 | 7.79E-09 | 4.634287 |
| *LN* | 1286 | - | 1.8E-07 | 1.53E-10 | 0.084643 | 1.81E-07 | 2.31E-10 | 0.127333 |
| *LN* | 1288 | LN-13\_33 | 1.8E-07 | 1.53E-10 | 0.08469 | 1.72E-07 | 5.77E-11 | 0.033658 |
| *LN* | 1290 | LN-13\_34 | 1.82E-07 | 2E-10 | 0.10989 | 1.72E-07 | 1E-10 | 0.058309 |
| *LN* | 1292 | LN-13\_35 | 1.84E-07 | 1E-10 | 0.054496 | 1.73E-07 | 1.53E-10 | 0.088313 |
| *LN* | 1294 | LN-13\_36 | 1.87E-07 | 1.53E-10 | 0.081671 | 1.75E-07 | 1.73E-10 | 0.099258 |
| *LN* | 1296 | LN-13\_37 | 1.89E-07 | 2E-10 | 0.105708 | 1.78E-07 | 1.53E-10 | 0.085784 |
| *LN* | 1298 | LN-13\_38 | 1.87E-07 | 2.52E-10 | 0.134843 | 1.8E-07 | 1.15E-10 | 0.064209 |
| *LN* | 1300 | LN-13\_39 | 1.9E-07 | 1.53E-10 | 0.08034 | 1.77E-07 | 5.77E-11 | 0.032551 |
| *LN* | 1302 | LN-13\_40 | 1.91E-07 | 2.08E-10 | 0.108836 | 1.81E-07 | 5.77E-11 | 0.031892 |
| *LN* | 1303 | LN-13\_41 | 1.93E-07 | 1.73E-10 | 0.089651 | 2.06E-07 | 1E-10 | 0.048638 |
| *LN* | 1304 | - | 1.92E-07 | 1.53E-10 | 0.079462 | 1.77E-07 | 1E-10 | 0.056433 |
| *LN* | 1306 | LN-13\_43 | 1.89E-07 | 1.15E-10 | 0.061074 | 1.8E-07 | 3.39E-09 | 1.889818 |
| *LN* | 1308 | LN-13\_44 | 1.88E-07 | 5.77E-11 | 0.030634 | 1.8E-07 | 1E-10 | 0.055556 |
| *LN* | 1310 | LN-13\_45 | 1.89E-07 | 2.52E-10 | 0.133272 | 1.79E-07 | 1.53E-10 | 0.085115 |
| *LN* | 1312 | LN-13\_46 | 1.91E-07 | 1.15E-10 | 0.060434 | 1.8E-07 | 1.15E-10 | 0.064317 |
| *LN* | 1314 | LN-13\_47 | 1.88E-07 | 1.53E-10 | 0.081439 | 1.82E-07 | 1.53E-10 | 0.083991 |
| *LN* | 1316 | LN-13\_48 | 1.87E-07 | 1.15E-10 | 0.061903 | 1.79E-07 | 1.15E-10 | 0.064677 |
| *LN* | 1318 | LN-13\_49 | 1.87E-07 | 3.21E-10 | 0.172208 | 1.78E-07 | 1.15E-10 | 0.064956 |
| *LN* | 1320 | LN-13\_50 | 1.83E-07 | 3.61E-10 | 0.197564 | 1.78E-07 | 2.65E-10 | 0.148471 |
| *LN* | 1322 | LN-13\_51 | 1.74E-07 | 1.41E-10 | 0.08123 | 1.75E-07 | 3.51E-10 | 0.200412 |
| *LN* | 1324 | LN-13\_52 | 1.75E-07 | 1.73E-10 | 0.098805 | 1.67E-07 | 1.53E-10 | 0.091286 |
| *LN* | 1326 | LN-13\_53 | 1.75E-07 | 0 | 0 | 1.69E-07 | 1.73E-10 | 0.102367 |
| *LN* | 1328 | LN-13\_54 | 1.71E-07 | 1.53E-10 | 0.089556 | 1.68E-07 | 1.53E-10 | 0.090726 |
| *LN* | 1330 | LN-13\_55 | 1.64E-07 | 1E-10 | 0.060827 | 1.64E-07 | 1.73E-10 | 0.105613 |
| *LN* | 1332 | LN-13\_56 | 1.68E-07 | 9.99E-09 | 5.946513 | 1.58E-07 | 1.15E-10 | 0.072975 |
| *LN* | 1334 | LN-13\_57 | 1.63E-07 | 5.77E-11 | 0.035391 | 1.56E-07 | 1.15E-10 | 0.07394 |
| *LN* | 1336 | LN-13\_58 | 1.71E-07 | 1.15E-10 | 0.067671 | 1.57E-07 | 2.31E-10 | 0.147221 |
| *LN* | 1338 | LN-13\_59 | 1.78E-07 | 1E-08 | 5.653569 | 1.64E-07 | 1E-10 | 0.060938 |
| *LN* | 1340 | LN-13\_60 | 1.68E-07 | 2.31E-10 | 0.137492 | 1.65E-07 | 1.15E-10 | 0.069827 |
| *LN* | 1342 | LN-13\_61 | 1.71E-07 | 5.77E-11 | 0.03375 | 1.61E-07 | 1.53E-10 | 0.094681 |
| *LN* | 1344 | LN-13\_62 | 1.66E-07 | 1.53E-10 | 0.092279 | 1.65E-07 | 2.31E-10 | 0.140275 |
| *LN* | 1346 | LN-13\_63 | 1.63E-07 | 5.77E-11 | 0.035391 | 1.59E-07 | 1.53E-10 | 0.09591 |
| *LN* | 1348 | LN-13\_64 | 1.6E-07 | 2.08E-10 | 0.130376 | 1.57E-07 | 3.61E-10 | 0.229215 |
| *LN* | 1350 | LN-13\_65 | 1.62E-07 | 6.08E-10 | 0.375479 | 1.54E-07 | 1.15E-10 | 0.075062 |
| *LN* | 1352 | LN-13\_66 | 1.61E-07 | 1E-10 | 0.062189 | 1.56E-07 | 4.58E-10 | 0.294132 |
| *LN* | 1354 | LN-13\_67 | 1.61E-07 | 5.77E-11 | 0.035757 | 1.55E-07 | 1E-10 | 0.064725 |
| *LN* | 1356 | LN-13\_68 | 1.59E-07 | 2.65E-10 | 0.166924 | 1.52E-07 | 4.89E-09 | 3.204687 |
| *LN* | 1358 | LN-13\_69 | 1.62E-07 | 2.31E-10 | 0.142146 | 1.53E-07 | 2.31E-10 | 0.151205 |
| *LN* | 1360 | LN-13\_70 | 1.62E-07 | 3.77E-08 | 23.34426 | 1.56E-07 | 3.46E-10 | 0.221773 |
| *RG* | 8 | RG-1 | 4.23E-07 | 2.23E-10 | 0.052703 | 3.73E-07 | 1.6E-10 | 0.042886 |
| *RG* | 12 | RG-3 | 4.94E-07 | 1.83E-10 | 0.037085 | 4.33E-07 | 1.5E-10 | 0.034584 |
| *RG* | 16 | RG-5 | 4.38E-07 | 1.63E-10 | 0.037291 | 3.83E-07 | 1.63E-10 | 0.042659 |
| *RG* | 20 | RG-7 | 4.02E-07 | 1.02E-10 | 0.02539 | 3.54E-07 | 1.17E-10 | 0.032982 |
| *RG* | 24 | RG-9 | 3.79E-07 | 2.33E-10 | 0.061612 | 3.33E-07 | 2.33E-10 | 0.070071 |
| *RG* | 28 | RG-11 | 3.2E-07 | 1.25E-10 | 0.038972 | 2.84E-07 | 1.7E-10 | 0.059904 |
| *RG* | 32 | RG-13 | 2.71E-07 | 4.9E-11 | 0.018068 | 2.43E-07 | 2.32E-10 | 0.095267 |
| *RG* | 36 | RG-15 | 2.62E-07 | 4.9E-11 | 0.018708 | 2.35E-07 | 3.44E-10 | 0.146273 |
| *RG* | 40 | RG-17 | 2.54E-07 | 0 | 0 | 2.29E-07 | 9.43E-11 | 0.041129 |
| *RG* | 44 | RG-19 | 2.22E-07 | 4.33E-11 | 0.019468 | 2.03E-07 | 9.8E-11 | 0.048309 |
| *RG* | 48 | RG-21 | 2.07E-07 | 7.48E-11 | 0.036235 | 1.9E-07 | 3.29E-10 | 0.173421 |
| *RG* | 52 | RG-23 | 1.94E-07 | 4.71E-11 | 0.024333 | 1.8E-07 | 2.65E-23 | 1.47E-14 |
| *RG* | 56 | RG-25 | 1.95E-07 | 2.64E-10 | 0.135625 | 1.8E-07 | 3.19E-10 | 0.176807 |
| *RG* | 60 | RG-27 | 1.98E-07 | 1.9E-10 | 0.095633 | 1.84E-07 | 2.28E-10 | 0.123865 |
| *RG* | 64 | RG-29 | 1.99E-07 | 4.71E-11 | 0.023728 | 1.85E-07 | 4.71E-11 | 0.025458 |
| *RG* | 68 | RG-31 | 1.96E-07 | 1.17E-10 | 0.059506 | 1.83E-07 | 1.5E-10 | 0.081901 |
| *RG* | 72 | RG-35 | 2.13E-07 | 9.8E-11 | 0.046004 | 1.97E-07 | 8.94E-11 | 0.045402 |
| *RG* | 76 | RG-37 | 2.04E-07 | 4.71E-11 | 0.023078 | 1.9E-07 | 4.71E-11 | 0.024802 |
| *RG* | 80 | RG-39 | 2E-07 | 8E-11 | 0.039908 | 1.87E-07 | 6.32E-11 | 0.033785 |
| *RG* | 84 | RG-41 | 2.15E-07 | 2.65E-23 | 1.23E-14 | 1.99E-07 | 2.1E-10 | 0.105408 |
| *RG* | 88 | RG-43 | 2.22E-07 | 4.71E-11 | 0.021266 | 1.99E-07 | 8.16E-11 | 0.040968 |
| *RG* | 92 | RG-45 | 2.06E-07 | 1.36E-10 | 0.065701 | 1.92E-07 | 1.02E-10 | 0.053043 |
| *RG* | 96 | RG-47 | 2.02E-07 | 6.32E-11 | 0.031341 | 1.87E-07 | 1.17E-10 | 0.062203 |
| *RG* | 100 | RG-49 | 2.26E-07 | 4.71E-11 | 0.020837 | 2.08E-07 | 4.71E-11 | 0.022613 |
| *RG* | 104 | RG-51 | 1.9E-07 | 4.9E-11 | 0.025722 | 1.77E-07 | 9.8E-11 | 0.055381 |
| *RG* | 108 | RG-53 | 1.83E-07 | 4E-11 | 0.021813 | 1.71E-07 | 4E-11 | 0.023436 |
| *RG* | 112 | RG-55 | 1.9E-07 | 4.71E-11 | 0.024841 | 1.77E-07 | 4.71E-11 | 0.026608 |
| *RG* | 116 | RG-57 | 2.06E-07 | 8.94E-11 | 0.043377 | 1.91E-07 | 8E-11 | 0.04181 |
| *RG* | 120 | RG-59 | 1.72E-07 | 1.36E-10 | 0.0787 | 1.62E-07 | 1.85E-10 | 0.114179 |
| *RG* | 124 | RG-61 | 1.84E-07 | 8.16E-11 | 0.044279 | 1.74E-07 | 9.43E-11 | 0.054205 |
| *RG* | 128 | RG-63 | 1.78E-07 | 9.8E-11 | 0.055082 | 1.68E-07 | 7.48E-11 | 0.044565 |
| *RG* | 132 | RG-65 | 1.9E-07 | 7.48E-11 | 0.039349 | 1.78E-07 | 7.48E-11 | 0.041999 |
| *RG* | 136 | RG-67 | 1.94E-07 | 2.65E-23 | 1.37E-14 | 1.82E-07 | 8.16E-11 | 0.044986 |
| *RG* | 140 | RG-69 | 1.89E-07 | 7.48E-11 | 0.039598 | 1.75E-07 | 1.62E-10 | 0.09308 |
| *RG* | 144 | RG-71 | 1.94E-07 | 8.94E-11 | 0.046176 | 1.79E-07 | 9.8E-11 | 0.054762 |
| *RG* | 148 | RG-73 | 1.95E-07 | 0 | 0 | 1.81E-07 | 4.71E-11 | 0.026112 |
| *RG* | 152 | RG-75 | 1.85E-07 | 7.48E-11 | 0.040346 | 1.73E-07 | 1.02E-10 | 0.059099 |
| *RG* | 156 | RG-77 | 1.85E-07 | 7.48E-11 | 0.040556 | 1.72E-07 | 4.9E-11 | 0.028426 |
| *RG* | 160 | RG-79 | 1.96E-07 | 0 | 0 | 1.81E-07 | 2.65E-23 | 1.46E-14 |
| *RG* | 164 | RG-81 | 1.85E-07 | 4.9E-11 | 0.026458 | 1.73E-07 | 1.2E-10 | 0.06942 |
| *RG* | 168 | RG-83 | 1.99E-07 | 4E-11 | 0.020072 | 1.89E-07 | 1.1E-10 | 0.05796 |
| *RG* | 172 | RG-85 | 2.12E-07 | 4.71E-11 | 0.022191 | 2.02E-07 | 4.71E-11 | 0.023368 |
| *RG* | 176 | RG-87 | 1.95E-07 | 4E-11 | 0.020547 | 1.85E-07 | 4E-11 | 0.021624 |
| *RG* | 196 | RG-89 | 1.66E-07 | 6.32E-11 | 0.038008 | 1.58E-07 | 4.9E-11 | 0.031018 |
| *RG* | 200 | RG-91 | 1.63E-07 | 4.71E-11 | 0.028862 | 1.55E-07 | 9.43E-11 | 0.060957 |
| *RG* | 204 | RG-93 | 1.82E-07 | 8.94E-11 | 0.049171 | 1.73E-07 | 8E-11 | 0.046227 |
| *RG* | 208 | RG-95 | 1.86E-07 | 6.32E-11 | 0.033985 | 1.75E-07 | 6.32E-11 | 0.036078 |
| *RG* | 212 | RG-97 | 1.89E-07 | 2.62E-10 | 0.1387 | 1.78E-07 | 2.36E-10 | 0.132293 |
| *RG* | 216 | RG-99 | 1.92E-07 | 8E-11 | 0.041654 | 1.82E-07 | 4.56E-10 | 0.250176 |
| *RG* | 220 | RG-101 | 1.83E-07 | 6.32E-11 | 0.03456 | 1.72E-07 | 1.17E-10 | 0.06777 |
| *RG* | 224 | RG-103 | 1.94E-07 | 1.25E-10 | 0.064445 | 1.83E-07 | 4.71E-11 | 0.025779 |
| *RG* | 228 | RG-105 | 1.94E-07 | 7.48E-11 | 0.038538 | 1.84E-07 | 1.1E-10 | 0.059535 |
| *RG* | 232 | RG-107 | 1.68E-07 | 4.9E-11 | 0.029084 | 1.61E-07 | 2.04E-10 | 0.126983 |
| *RG* | 236 | RG-109 | 1.8E-07 | 1.41E-10 | 0.078742 | 1.7E-07 | 9.43E-11 | 0.055416 |
| *RG* | 240 | RG-111 | 1.84E-07 | 4.9E-11 | 0.026576 | 1.74E-07 | 1.17E-10 | 0.066861 |
| *RG* | 244 | RG-113 | 1.85E-07 | 1.33E-10 | 0.071525 | 1.77E-07 | 1.72E-10 | 0.097267 |
| *RG* | 248 | RG-115 | 1.86E-07 | 0 | 0 | 1.76E-07 | 9.43E-11 | 0.053609 |
| *RG* | 252 | RG-117 | 1.71E-07 | 4.9E-11 | 0.028592 | 1.64E-07 | 1.41E-10 | 0.086496 |
| *RG* | 256 | RG-119 | 1.77E-07 | 4.9E-11 | 0.027609 | 1.7E-07 | 1.47E-10 | 0.086616 |
| *RG* | 260 | RG-121 | 1.76E-07 | 8.16E-11 | 0.046392 | 1.68E-07 | 2.45E-10 | 0.146151 |
| *RG* | 264 | RG-123 | 1.64E-07 | 4.9E-11 | 0.02981 | 1.57E-07 | 1.74E-10 | 0.110956 |
| *RG* | 268 | RG-125 | 1.57E-07 | 4E-11 | 0.02541 | 1.51E-07 | 1.9E-10 | 0.125987 |
| *RG* | 272 | RG-127 | 1.52E-07 | 4.71E-11 | 0.031068 | 1.45E-07 | 9.43E-11 | 0.065171 |
| *RG* | 276 | RG-129 | 1.6E-07 | 4.9E-11 | 0.030707 | 1.53E-07 | 4.71E-11 | 0.030815 |
| *RG* | 280 | RG-131 | 1.62E-07 | 6.8E-10 | 0.418565 | 1.55E-07 | 2.15E-10 | 0.138561 |
| *RG* | 284 | RG-133 | 1.67E-07 | 3.44E-10 | 0.205847 | 1.6E-07 | 1.47E-10 | 0.092132 |
| *RG* | 288 | RG-135 | 1.68E-07 | 4.71E-11 | 0.028032 | 1.6E-07 | 4.71E-11 | 0.029475 |
| *RG* | 292 | RG-137 | 1.7E-07 | 7.93E-10 | 0.465982 | 1.63E-07 | 1.55E-10 | 0.095043 |
| *RG* | 296 | RG-139 | 1.8E-07 | 1.67E-10 | 0.093066 | 1.71E-07 | 4.72E-10 | 0.275206 |
| *RG* | 300 | RG-141 | 1.83E-07 | 4.71E-11 | 0.025699 | 1.74E-07 | 4.71E-11 | 0.02704 |
| *RG* | 304 | RG-143 | 1.85E-07 | 1.94E-10 | 0.104917 | 1.76E-07 | 1.36E-10 | 0.077142 |
| *RG* | 308 | RG-145 | 1.81E-07 | 9.8E-11 | 0.054246 | 1.72E-07 | 1.47E-10 | 0.085437 |
| *RG* | 312 | RG-147 | 1.81E-07 | 4.71E-11 | 0.025992 | 1.72E-07 | 4.71E-11 | 0.027338 |
| *RG* | 316 | RG-149 | 1.81E-07 | 1.36E-10 | 0.075042 | 1.72E-07 | 1.36E-10 | 0.079021 |
| *RG* | 320 | RG-151 | 1.85E-07 | 1.5E-10 | 0.080971 | 1.76E-07 | 2.14E-10 | 0.121551 |
| *RG* | 324 | RG-153 | 1.86E-07 | 8.16E-11 | 0.043921 | 1.76E-07 | 8.16E-11 | 0.046339 |
| *RG* | 328 | RG-155 | 1.86E-07 | 4.9E-11 | 0.026404 | 1.75E-07 | 3.12E-10 | 0.178032 |
| *RG* | 332 | RG-157 | 1.79E-07 | 6.32E-11 | 0.035432 | 1.69E-07 | 1.26E-10 | 0.07467 |
| *RG* | 336 | RG-159 | 1.75E-07 | 1.7E-10 | 0.097365 | 1.65E-07 | 2.62E-10 | 0.158654 |
| *RG* | 340 | RG-161 | 1.79E-07 | 8E-11 | 0.044728 | 1.69E-07 | 2.87E-10 | 0.169794 |
| *RG* | 344 | RG-163 | 1.78E-07 | 6.32E-11 | 0.035511 | 1.68E-07 | 1.36E-10 | 0.080617 |
| *RG* | 348 | RG-165 | 1.75E-07 | 9.43E-11 | 0.053772 | 1.65E-07 | 4.71E-11 | 0.028524 |
| *RG* | 352 | RG-167 | 1.73E-07 | 9.58E-10 | 0.553324 | 1.64E-07 | 1.94E-10 | 0.118323 |
| *RG* | 356 | RG-169 | 1.8E-07 | 3.82E-10 | 0.212246 | 1.7E-07 | 9.8E-11 | 0.05771 |
| *RG* | 360 | RG-171 | 1.76E-07 | 8.16E-11 | 0.046445 | 1.66E-07 | 4.71E-11 | 0.028358 |
| *RG* | 352 | RG-173 | 1.87E-07 | 7.48E-11 | 0.040035 | 1.77E-07 | 1.02E-10 | 0.057727 |
| *RG* | 356 | RG-176(A) | 1.89E-07 | 1.47E-10 | 0.077811 | 1.79E-07 | 2.42E-10 | 0.135202 |
| *RG* | 360 | RG-177 | 1.95E-07 | 4.71E-11 | 0.02417 | 1.85E-07 | 4.71E-11 | 0.025527 |
| *RG* | 376 | RG-179 | 1.8E-07 | 4E-11 | 0.022183 | 1.7E-07 | 4.71E-11 | 0.027757 |
| *RG* | 380 | RG-181 | 1.81E-07 | 4.9E-11 | 0.027027 | 1.72E-07 | 1.17E-10 | 0.067692 |
| *RG* | 384 | RG-183 | 1.9E-07 | 1.02E-10 | 0.053629 | 1.79E-07 | 1.17E-10 | 0.065267 |
| *RG* | 388 | RG-185 | 1.94E-07 | 8.16E-11 | 0.042196 | 1.82E-07 | 4.71E-11 | 0.02592 |
| *RG* | 392 | RG-187 | 1.93E-07 | 8E-11 | 0.041481 | 1.81E-07 | 1.17E-10 | 0.064402 |
| *RG* | 396 | RG-189 | 1.73E-07 | 9.8E-11 | 0.056564 | 1.62E-07 | 1.02E-10 | 0.062897 |
| *RG* | 400 | RG-191 | 2E-07 | 4.71E-11 | 0.023555 | 1.87E-07 | 4.71E-11 | 0.025173 |
| *RG* | 404 | RG-193 | 2.02E-07 | 7.48E-11 | 0.037079 | 1.9E-07 | 1.02E-10 | 0.053804 |
| *RG* | 408 | RG-195 | 2.01E-07 | 6.32E-11 | 0.031419 | 1.9E-07 | 1.72E-10 | 0.090704 |
| *RG* | 412 | RG-197 | 1.99E-07 | 2.65E-23 | 1.33E-14 | 1.88E-07 | 8.16E-11 | 0.0435 |
| *RG* | 416 | RG-199 | 1.96E-07 | 4.9E-11 | 0.02499 | 1.86E-07 | 1.17E-10 | 0.062861 |
| *RG* | 420 | RG-201 | 1.96E-07 | 1.94E-10 | 0.099145 | 1.85E-07 | 1.67E-10 | 0.090401 |
| *RG* | 424 | RG-203 | 1.94E-07 | 1.25E-10 | 0.064279 | 1.84E-07 | 3.09E-10 | 0.168305 |
| *RG* | 428 | RG-205 | 1.97E-07 | 6.32E-11 | 0.032056 | 1.87E-07 | 8E-11 | 0.04279 |
| *RG* | 432 | RG-207 | 1.96E-07 | 9.8E-11 | 0.049969 | 1.86E-07 | 4.9E-11 | 0.026333 |
| *RG* | 436 | RG-209 | 1.94E-07 | 8.16E-11 | 0.042153 | 1.83E-07 | 1.7E-10 | 0.092642 |
| *RG* | 440 | RG-211 | 1.88E-07 | 1.96E-10 | 0.104422 | 1.79E-07 | 1.26E-10 | 0.070863 |
| *RG* | 444 | RG-213 | 1.95E-07 | 9.8E-11 | 0.050241 | 1.85E-07 | 2.79E-10 | 0.150236 |
| *RG* | 448 | RG-215 | 1.93E-07 | 0 | 0 | 1.84E-07 | 4.71E-11 | 0.025657 |
| *RG* | 452 | RG-217 | 1.81E-07 | 0 | 0 | 1.72E-07 | 2.58E-10 | 0.149502 |
| *RG* | 456 | RG-219 | 1.89E-07 | 6.32E-11 | 0.033446 | 1.79E-07 | 4.31E-10 | 0.240248 |
| *RG* | 460 | RG-221 | 1.86E-07 | 2.05E-10 | 0.110612 | 1.77E-07 | 2.05E-10 | 0.116134 |
| *RG* | 464 | RG-223 | 1.88E-07 | 7.48E-11 | 0.039809 | 1.79E-07 | 2.19E-10 | 0.122602 |
| *RG* | 468 | RG-225 | 1.87E-07 | 8E-11 | 0.042726 | 1.78E-07 | 1.02E-10 | 0.057215 |
| *RG* | 472 | RG-227 | 1.85E-07 | 4.71E-11 | 0.025527 | 1.76E-07 | 1.41E-10 | 0.080353 |
| *RG* | 476 | RG-229 | 1.81E-07 | 1.1E-10 | 0.060422 | 1.73E-07 | 4E-11 | 0.023137 |
| *RG* | 480 | RG-231 | 1.83E-07 | 9.8E-11 | 0.053664 | 1.74E-07 | 2.23E-10 | 0.128304 |
| *RG* | 484 | RG-233 | 1.8E-07 | 4.71E-11 | 0.026243 | 1.71E-07 | 1.25E-10 | 0.073079 |
| *RG* | 488 | RG-235 | 1.77E-07 | 8.94E-11 | 0.050533 | 1.68E-07 | 4.9E-11 | 0.029119 |
| *RG* | 492 | RG-237 | 1.77E-07 | 4E-11 | 0.022589 | 1.68E-07 | 1.47E-10 | 0.087544 |
| *RG* | 496 | RG-239 | 1.75E-07 | 1.25E-10 | 0.071283 | 1.66E-07 | 2.36E-10 | 0.142189 |
| *RG* | 500 | RG-241 | 1.78E-07 | 4.9E-11 | 0.027498 | 1.69E-07 | 7.48E-11 | 0.044406 |
| *RG* | 504 | RG-243 | 1.78E-07 | 0 | 0 | 1.68E-07 | 1.94E-10 | 0.115229 |
| *RG* | 508 | RG-247 | 1.86E-07 | 8.16E-11 | 0.043803 | 1.76E-07 | 4.71E-11 | 0.026805 |
| *RG* | 512 | RG-249 | 1.87E-07 | 0 | 0 | 1.76E-07 | 9.8E-11 | 0.05555 |
| *RG* | 516 | RG-251 | 1.88E-07 | 2.42E-10 | 0.128776 | 1.77E-07 | 8.94E-11 | 0.050504 |
| *RG* | 520 | RG-253 | 1.89E-07 | 4.71E-11 | 0.024885 | 1.79E-07 | 1.25E-10 | 0.069846 |
| *RG* | 524 | RG-255 | 1.96E-07 | 2.61E-10 | 0.133181 | 1.84E-07 | 4.9E-11 | 0.026631 |
| *RG* | 528 | RG-257 | 1.98E-07 | 1.1E-10 | 0.055214 | 1.87E-07 | 1.02E-10 | 0.054552 |
| *RG* | 532 | RG-259 | 1.95E-07 | 4.71E-11 | 0.024133 | 1.84E-07 | 4.71E-11 | 0.025555 |
| *RG* | 536 | RG-261 | 1.96E-07 | 8E-11 | 0.040866 | 1.85E-07 | 1.02E-10 | 0.055142 |
| *RG* | 540 | RG-263 | 1.96E-07 | 8E-11 | 0.040741 | 1.86E-07 | 9.8E-11 | 0.052785 |
| *RG* | 544 | RG-265 | 1.94E-07 | 2.16E-10 | 0.11141 | 1.83E-07 | 2.36E-10 | 0.128635 |
| *RG* | 548 | RG-267 | 1.98E-07 | 4E-11 | 0.020153 | 1.88E-07 | 7.48E-11 | 0.039852 |
| *RG* | 552 | RG-269 | 2E-07 | 6.32E-11 | 0.031623 | 1.89E-07 | 8E-11 | 0.042274 |
| *RG* | 556 | RG-271 | 1.93E-07 | 9.43E-11 | 0.048758 | 1.83E-07 | 1.7E-10 | 0.093048 |
| *RG* | 560 | RG-273 | 1.93E-07 | 8E-11 | 0.041502 | 1.82E-07 | 7.48E-11 | 0.041076 |
| *RG* | 564 | RG-275 | 1.91E-07 | 1.96E-10 | 0.102736 | 1.8E-07 | 7.48E-11 | 0.041486 |
| *RG* | 568 | RG-277 | 1.9E-07 | 8.16E-11 | 0.042996 | 1.79E-07 | 1.25E-10 | 0.069548 |
| *RG* | 572 | RG-279 | 1.92E-07 | 4E-11 | 0.020857 | 1.82E-07 | 8E-11 | 0.044067 |
| *RG* | 576 | RG-281 | 1.92E-07 | 7.48E-11 | 0.039073 | 1.81E-07 | 1.6E-10 | 0.088213 |
| *RG* | 580 | RG-283 | 1.88E-07 | 9.43E-11 | 0.050034 | 1.78E-07 | 1.25E-10 | 0.069885 |
| *RG* | 584 | RG-285 | 1.92E-07 | 7.48E-11 | 0.03902 | 1.82E-07 | 1.72E-10 | 0.094645 |
| *RG* | 588 | RG-287 | 1.87E-07 | 1.02E-10 | 0.054407 | 1.78E-07 | 1.94E-10 | 0.109071 |
| *RG* | 592 | RG-289 | 1.9E-07 | 1.25E-10 | 0.065482 | 1.81E-07 | 1.25E-10 | 0.069009 |
| *RG* | 596 | RG-291 | 1.88E-07 | 8.94E-11 | 0.047576 | 1.78E-07 | 1.2E-10 | 0.067317 |
| *RG* | 600 | RG-293 | 1.86E-07 | 1.17E-10 | 0.062739 | 1.76E-07 | 1.36E-10 | 0.076915 |
| *RG* | 604 | RG-295 | 1.82E-07 | 8.16E-11 | 0.044937 | 1.72E-07 | 9.43E-11 | 0.05474 |
| *RG* | 608 | RG-297 | 1.84E-07 | 1.67E-10 | 0.091189 | 1.74E-07 | 1.17E-10 | 0.066876 |
| *RG* | 612 | RG-299 | 1.84E-07 | 1.02E-10 | 0.055322 | 1.75E-07 | 1.36E-10 | 0.077495 |
| *RG* | 616 | RG-301 | 1.82E-07 | 9.43E-11 | 0.051793 | 1.73E-07 | 4.71E-11 | 0.027259 |
| *RG* | 620 | RG-303 | 1.86E-07 | 4E-11 | 0.021473 | 1.77E-07 | 1.67E-10 | 0.094484 |
| *RG* | 624 | RG-305 | 1.81E-07 | 3.71E-10 | 0.204512 | 1.72E-07 | 1.36E-10 | 0.078754 |
| *RG* | 628 | RG-307 | 1.8E-07 | 5.54E-10 | 0.307075 | 1.71E-07 | 5.46E-10 | 0.31824 |
| *RG* | 632 | RG-309 | 1.8E-07 | 4.71E-11 | 0.026157 | 1.71E-07 | 8.94E-11 | 0.052398 |
| *RG* | 636 | RG-311 | 1.82E-07 | 2.73E-10 | 0.149738 | 1.73E-07 | 1.36E-10 | 0.078608 |
| *RG* | 640 | RG-313 | 1.72E-07 | 3.43E-10 | 0.1994 | 1.64E-07 | 3.14E-10 | 0.191343 |
| *RG* | 644 | RG-315 | 1.77E-07 | 4.71E-11 | 0.026666 | 1.67E-07 | 2.56E-10 | 0.153258 |
| *RG* | 648 | RG-317 | 1.77E-07 | 3.97E-10 | 0.224567 | 1.68E-07 | 1.47E-10 | 0.087649 |
| *RG* | 652 | RG-319 | 1.8E-07 | 3.26E-10 | 0.181176 | 1.71E-07 | 1.74E-10 | 0.101986 |
| *RG* | 656 | RG-321 | 1.79E-07 | 4.71E-11 | 0.026374 | 1.69E-07 | 1.55E-10 | 0.091614 |
| *RG* | 660 | RG-323 | 1.83E-07 | 4.72E-10 | 0.257617 | 1.73E-07 | 7.48E-11 | 0.043161 |
| *RG* | 664 | RG-325 | 1.86E-07 | 1.7E-09 | 0.913276 | 1.75E-07 | 2.19E-10 | 0.124979 |
| *RG* | 668 | RG-327 | 1.81E-07 | 0 | 0 | 1.72E-07 | 1.67E-10 | 0.097456 |
| *RG* | 672 | RG-329 | 1.83E-07 | 5.33E-10 | 0.290893 | 1.73E-07 | 1.17E-10 | 0.067262 |
| *RG* | 676 | RG-331 | 1.8E-07 | 1.36E-10 | 0.075259 | 1.71E-07 | 1.02E-10 | 0.059659 |
| *RG* | 680 | RG-333 | 1.77E-07 | 4.71E-11 | 0.0266 | 1.68E-07 | 3.07E-10 | 0.182928 |
| *RG* | 684 | RG-335 | 1.76E-07 | 1.1E-09 | 0.627617 | 1.66E-07 | 1.94E-10 | 0.117037 |
| *RG* | 688 | RG-337 | 1.77E-07 | 4E-11 | 0.022538 | 1.68E-07 | 1.5E-10 | 0.089055 |
| *RG* | 692 | RG-339 | 1.73E-07 | 9.43E-11 | 0.054366 | 1.64E-07 | 2.06E-10 | 0.125817 |
| *RG* | 704 | RG-341 | 1.69E-07 | 4E-11 | 0.023657 | 1.6E-07 | 1.47E-10 | 0.091787 |
| *RG* | 708 | RG-343 | 1.72E-07 | 1.2E-09 | 0.695911 | 1.62E-07 | 1.36E-10 | 0.083815 |
| *RG* | 712 | RG-345 | 1.73E-07 | 1.25E-10 | 0.072094 | 1.63E-07 | 3.63E-10 | 0.223031 |
| *RG* | 716 | RG-347 | 1.77E-07 | 1.02E-10 | 0.057701 | 1.67E-07 | 9.8E-11 | 0.058663 |
| *RG* | 720 | RG-349 | 1.77E-07 | 1.15E-09 | 0.650821 | 1.68E-07 | 1.85E-10 | 0.110374 |
| *RG* | 724 | RG-349(A) | 1.78E-07 | 7.48E-11 | 0.041952 | 1.69E-07 | 2.42E-10 | 0.142859 |
| *RG* | 728 | RG-351 | 1.88E-07 | 4.71E-11 | 0.025125 | 1.78E-07 | 7.48E-11 | 0.042131 |
| *RG* | 732 | RG-353 | 1.72E-07 | 1.04E-09 | 0.60572 | 1.62E-07 | 8E-11 | 0.049364 |
| *RG* | 736 | RG-355 | 1.78E-07 | 1.5E-10 | 0.084063 | 1.69E-07 | 1.55E-10 | 0.09194 |
| *RG* | 740 | RG-357 | 1.79E-07 | 4.71E-11 | 0.026374 | 1.69E-07 | 4.9E-11 | 0.028978 |
| *RG* | 744 | RG-359 | 1.85E-07 | 4.9E-11 | 0.026487 | 1.75E-07 | 1.36E-10 | 0.077619 |
| *RG* | 748 | RG-361 | 1.85E-07 | 8E-11 | 0.043164 | 1.76E-07 | 1.36E-10 | 0.077274 |
| *RG* | 752 | RG-363 | 1.89E-07 | 4.71E-11 | 0.024953 | 1.78E-07 | 1.1E-10 | 0.061438 |
| *RG* | 756 | RG-365 | 1.78E-07 | 4E-11 | 0.022469 | 1.69E-07 | 2.14E-10 | 0.126641 |
| *RG* | 760 | RG-367 | 1.76E-07 | 4E-11 | 0.022686 | 1.67E-07 | 1.36E-10 | 0.081148 |
| *RG* | 764 | RG-369 | 1.74E-07 | 8.16E-11 | 0.046941 | 1.64E-07 | 4E-11 | 0.024319 |
| *RG* | 768 | RG-371 | 1.78E-07 | 6.32E-11 | 0.035591 | 1.69E-07 | 6.32E-11 | 0.037512 |
| *RG* | 772 | RG-373 | 1.82E-07 | 1.47E-10 | 0.08085 | 1.72E-07 | 1.1E-10 | 0.063541 |
| *RG* | 776 | RG-375 | 1.76E-07 | 0 | 0 | 1.67E-07 | 3.19E-10 | 0.191073 |
| *RG* | 780 | RG-377 | 1.74E-07 | 4E-11 | 0.022959 | 1.66E-07 | 8E-11 | 0.04821 |
| *RG* | 784 | RG-379 | 1.76E-07 | 4.9E-11 | 0.027778 | 1.67E-07 | 1.02E-10 | 0.060906 |
| *RG* | 788 | RG-381 | 1.79E-07 | 4.71E-11 | 0.026356 | 1.7E-07 | 4.9E-11 | 0.028875 |
| *RG* | 792 | RG-383 | 1.75E-07 | 1.55E-10 | 0.088323 | 1.67E-07 | 1.47E-10 | 0.087995 |
| *RG* | 796 | RG-385 | 1.76E-07 | 8E-11 | 0.045548 | 1.67E-07 | 9.66E-10 | 0.577267 |
| *RG* | 800 | RG-387 | 1.73E-07 | 2.65E-23 | 1.53E-14 | 1.63E-07 | 4E-11 | 0.024492 |
| *RG* | 804 | RG-389 | 1.74E-07 | 0 | 0 | 1.64E-07 | 8E-11 | 0.048733 |
| *RG* | 808 | RG-391 | 1.69E-07 | 4E-11 | 0.023708 | 1.6E-07 | 1.5E-10 | 0.093635 |
| *RG* | 812 | RG-393 | 1.53E-07 | 4.71E-11 | 0.030912 | 1.44E-07 | 1.17E-10 | 0.080772 |
| *RG* | 816 | RG-395 | 1.73E-07 | 2.87E-10 | 0.166177 | 1.64E-07 | 8E-11 | 0.048828 |
| *RG* | 820 | RG-397 | 1.69E-07 | 2.24E-10 | 0.133202 | 1.6E-07 | 6.32E-11 | 0.039578 |
| *RG* | 824 | RG-399 | 1.75E-07 | 4.71E-11 | 0.027015 | 1.65E-07 | 4.9E-11 | 0.029648 |
| *RG* | 828 | RG-401 | 1.75E-07 | 4.71E-11 | 0.026901 | 1.66E-07 | 3.52E-10 | 0.212003 |
| *RG* | 832 | RG-403 | 1.73E-07 | 4E-11 | 0.023186 | 1.64E-07 | 1.55E-10 | 0.094694 |
| *RG* | 832 | RG-405 | 1.78E-07 | 4E-11 | 0.022419 | 1.7E-07 | 1.5E-10 | 0.088267 |
| *RG* | 840 | RG-407 | 1.76E-07 | 4.71E-11 | 0.026757 | 1.67E-07 | 1.85E-10 | 0.111035 |
| *RG* | 844 | RG-409 | 1.82E-07 | 0 | 0 | 1.73E-07 | 1.17E-10 | 0.067574 |
| *RG* | 848 | RG-411 | 1.79E-07 | 4E-11 | 0.022386 | 1.7E-07 | 8E-11 | 0.047125 |
| *RG* | 852 | RG-413 | 1.81E-07 | 0 | 0 | 1.72E-07 | 9.8E-11 | 0.057025 |
| *RG* | 856 | RG-415 | 1.81E-07 | 6.32E-11 | 0.03502 | 1.72E-07 | 4.9E-11 | 0.028559 |
| *RG* | 860 | RG-417 | 1.84E-07 | 4E-11 | 0.021796 | 1.74E-07 | 9.8E-11 | 0.056304 |
| *RG* | 864 | RG-419 | 1.76E-07 | 9.43E-11 | 0.053648 | 1.66E-07 | 2.24E-10 | 0.135045 |
| *RG* | 868 | RG-421 | 1.76E-07 | 1.02E-10 | 0.057996 | 1.67E-07 | 4E-11 | 0.023998 |
| *RG* | 872 | RG-423 | 1.78E-07 | 8E-11 | 0.044984 | 1.69E-07 | 6.22E-10 | 0.367687 |
| *RG* | 876 | RG-425 | 1.75E-07 | 4.71E-11 | 0.026901 | 1.66E-07 | 1.17E-10 | 0.070414 |
| *RG* | 880 | RG-427 | 1.8E-07 | 0 | 0 | 1.71E-07 | 4E-11 | 0.023403 |
| *RG* | 884 | RG-429 | 1.8E-07 | 4.9E-11 | 0.027268 | 1.71E-07 | 8E-11 | 0.046767 |
| *RG* | 888 | RG-431 | 1.78E-07 | 0 | 0 | 1.68E-07 | 1.36E-10 | 0.080569 |
| *RG* | 892 | RG-433 | 1.81E-07 | 4E-11 | 0.022139 | 1.72E-07 | 9.8E-11 | 0.056958 |
| *RG* | 896 | RG-435 | 1.81E-07 | 4E-11 | 0.022121 | 1.72E-07 | 8E-11 | 0.046474 |
| *RG* | 900 | RG-437 | 1.8E-07 | 8.16E-11 | 0.045336 | 1.71E-07 | 1.85E-10 | 0.108299 |
| *RG* | 904 | RG-439 | 1.77E-07 | 4E-11 | 0.022558 | 1.69E-07 | 1.36E-10 | 0.080245 |
| *RG* | 908 | RG-441 | 1.78E-07 | 4.9E-11 | 0.027485 | 1.7E-07 | 1.36E-10 | 0.079811 |
| *RG* | 912 | RG-443 | 1.72E-07 | 4.71E-11 | 0.027484 | 1.64E-07 | 1.94E-10 | 0.118583 |
| *RG* | 916 | RG-445 | 1.73E-07 | 4.9E-11 | 0.028243 | 1.66E-07 | 4E-11 | 0.024166 |
| *RG* | 920 | RG-447 | 1.66E-07 | 4.9E-11 | 0.029537 | 1.59E-07 | 4E-11 | 0.025224 |
| *RG* | 924 | RG-449-1 | 1.57E-07 | 9.43E-11 | 0.060136 | 1.5E-07 | 2.58E-10 | 0.172086 |
| *RG* | 928 | RG-451 | 1.54E-07 | 6.32E-11 | 0.041122 | 1.47E-07 | 0 | 0 |
| *RG* | 932 | RG-453 | 1.44E-07 | 1.17E-10 | 0.08094 | 1.38E-07 | 1.1E-10 | 0.079553 |
| *RG* | 936 | RG-455 | 1.42E-07 | 4.71E-11 | 0.033188 | 1.35E-07 | 3.01E-10 | 0.222287 |
| *RG* | 940 | RG-457 | 1.42E-07 | 7.48E-11 | 0.052766 | 1.36E-07 | 4E-11 | 0.029503 |
| *RG* | 944 | RG-459 | 1.34E-07 | 1.94E-10 | 0.14501 | 1.27E-07 | 4E-11 | 0.031392 |
| *RG* | 948 | RG-461 | 1.23E-07 | 8.16E-11 | 0.066349 | 1.17E-07 | 7.48E-11 | 0.063971 |
| *RG* | 952 | RG-463 | 1.15E-07 | 4E-11 | 0.034849 | 1.09E-07 | 6.32E-11 | 0.057811 |
| *RG* | 956 | RG-465 | 1.08E-07 | 4.9E-11 | 0.045555 | 1.03E-07 | 2.06E-10 | 0.199799 |
| *RG* | 960 | RG-467 | 1.06E-07 | 0 | 0 | 1.01E-07 | 1.47E-10 | 0.145198 |
| *RG* | 964 | RG-469 | 9.78E-08 | 1.9E-11 | 0.019402 | 9.34E-08 | 9.77E-11 | 0.104646 |
| *RG* | 968 | RG-471 | 9.83E-08 | 2.79E-11 | 0.028339 | 9.39E-08 | 1.91E-10 | 0.203909 |
| *RG* | 972 | RG-473 | 9.46E-08 | 3.09E-11 | 0.032666 | 8.99E-08 | 6.13E-11 | 0.068185 |
| *RG* | 976 | RG-475 | 8.85E-08 | 1.6E-11 | 0.018079 | 8.44E-08 | 1.24E-10 | 0.14676 |
| *RG* | 980 | RG-477 | 9.1E-08 | 2.68E-11 | 0.029474 | 8.67E-08 | 1.92E-10 | 0.221249 |
| *RG* | 984 | RG-479 | 9.16E-08 | 2.94E-11 | 0.032154 | 8.71E-08 | 1.17E-10 | 0.133988 |
| *RG* | 988 | RG-481 | 9.11E-08 | 7.52E-11 | 0.082525 | 8.66E-08 | 4.02E-11 | 0.046437 |
| *RG* | 992 | RG-483 | 8.3E-08 | 7.83E-11 | 0.094329 | 7.94E-08 | 1.89E-10 | 0.238244 |
| *RG* | 996 | RG-485 | 8.69E-08 | 2.16E-11 | 0.024856 | 8.25E-08 | 9.33E-11 | 0.113044 |
| *RG* | 996 | RG-487 | 8.21E-08 | 2.45E-11 | 0.029839 | 7.85E-08 | 6.18E-11 | 0.078675 |
| *RG* | 1004 | RG-489-1 | 7.17E-08 | 6.64E-10 | 0.926419 | 6.79E-08 | 1.45E-10 | 0.213391 |
| *RG* | 1008 | RG-491 | 6.74E-08 | 5.44E-11 | 0.080639 | 6.39E-08 | 1.35E-10 | 0.211936 |
| *RG* | 1012 | RG-493 | 7.09E-08 | 4.87E-11 | 0.068753 | 6.8E-08 | 1.7E-10 | 0.249302 |
| *RG* | 1016 | RG-495 | 6.72E-08 | 2.1E-11 | 0.03121 | 6.39E-08 | 1.24E-10 | 0.194594 |
| *RG* | 1020 | RG-497 | 8.31E-08 | 6.16E-11 | 0.074177 | 7.84E-08 | 7.13E-11 | 0.090922 |
| *RG* | 1024 | RG-499 | 8.64E-08 | 2.78E-10 | 0.322139 | 8.26E-08 | 2.83E-11 | 0.034263 |
| *RG* | 1028 | RG-501 | 9.21E-08 | 4.26E-11 | 0.046294 | 8.8E-08 | 2.8E-10 | 0.318119 |
| *RG* | 1032 | RG-503 | 9.17E-08 | 3.4E-11 | 0.037068 | 8.72E-08 | 1.21E-10 | 0.139019 |
| *RG* | 1036 | RG-505 | 8.43E-08 | 5.84E-11 | 0.069314 | 8.1E-08 | 1.25E-10 | 0.154706 |
| *RG* | 1040 | RG-507 | 8.06E-08 | 5.62E-11 | 0.069718 | 7.71E-08 | 1.15E-10 | 0.148573 |
| *RG* | 1044 | RG-509 | 7.28E-08 | 2.87E-11 | 0.03941 | 6.91E-08 | 8.37E-11 | 0.121097 |
| *RG* | 1048 | RG-511 | 7.25E-08 | 5.31E-11 | 0.073333 | 6.94E-08 | 8.11E-11 | 0.116767 |
| *RG* | 1052 | RG-513 | 7.95E-08 | 1.18E-10 | 0.147975 | 7.58E-08 | 9.17E-11 | 0.121031 |
| *RG* | 1056 | RG-515 | 6.45E-08 | 4.32E-11 | 0.066986 | 6.14E-08 | 1.12E-10 | 0.18263 |
| *RG* | 1060 | RG-517 | 7.25E-08 | 4.17E-11 | 0.057463 | 6.96E-08 | 1.01E-10 | 0.14468 |
| *RG* | 1064 | RG-519 | 5.82E-08 | 3.16E-11 | 0.054372 | 5.57E-08 | 7.31E-11 | 0.131211 |
| *RG* | 1068 | RG-521 | 7.04E-08 | 2.05E-11 | 0.029181 | 6.68E-08 | 1.48E-10 | 0.221198 |
| *RG* | 1072 | RG-523 | 5.93E-08 | 4.83E-11 | 0.081549 | 5.68E-08 | 2.29E-10 | 0.403347 |