

Table S2 Expression levels of 678 common DEGs in tillers and axillary branches

| Gene ID        | HT1       | HT2       | HT3       | YT1       | YT2       | YT3       | HA1       | HA2       | HA3     | YA1       | YA2      | YA3      |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.1G006000 | 3.017913  | 4.273115  | 2.867092  | 1.127043  | 0.562548  | 1.094364  | 8.223269  | 11.77182  | 2.81729 | 1.45858   | 1.0536   | 0.560781 |
| Seita.1G007700 | 67.328453 | 29.285603 | 47.088248 | 413.71639 | 379.308   | 364.12631 | 129.79866 | 119.55098 | 146.505 | 240.7993  | 523.2973 | 475.6477 |
| Seita.1G011300 | 2.105736  | 4.487116  | 3.54054   | 0.177186  | 0.129034  | 0.058743  | 4.474772  | 4.882892  | 2.80833 | 0.099709  | 0.02753  | 0.05866  |
| Seita.1G035300 | 0.708219  | 0.968007  | 0.95618   | 5.73105   | 5.979175  | 5.879198  | 1.8857    | 1.197209  | 0.61717 | 6.465542  | 7.318253 | 8.929579 |
| Seita.1G038300 | 4.171395  | 3.820557  | 2.823941  | 33.05368  | 7.982941  | 41.314507 | 6.750434  | 7.148288  | 1.6239  | 0.996574  | 0.145867 | 0.477024 |
| Seita.1G045400 | 0.732763  | 34.577065 | 5.463367  | 2.142394  | 1.037769  | 0.642259  | 142.91794 | 40.696163 | 46.2797 | 1.653356  | 1.886568 | 3.118011 |
| Seita.1G066600 | 3.919211  | 2.718868  | 2.441863  | 12.792141 | 12.144515 | 13.275699 | 2.598076  | 2.173057  | 0.98121 | 8.67461   | 8.918993 | 11.6613  |
| Seita.1G072900 | 16.190192 | 27.698645 | 20.042875 | 0.301546  | 0.182102  | 0.19887   | 23.968085 | 27.034972 | 19.9764 | 0.720633  | 0.394637 | 0.777131 |
| Seita.1G074700 | 5.450781  | 29.488998 | 21.480305 | 2.27803   | 3.770788  | 7.257283  | 27.651257 | 27.146008 | 25.5502 | 3.756424  | 4.543159 | 7.931446 |
| Seita.1G074900 | 6.405243  | 11.539884 | 4.390232  | 1.420151  | 0.742655  | 1.132997  | 15.066133 | 22.673285 | 10.4242 | 1.43415   | 1.834503 | 0.838706 |
| Seita.1G075000 | 4.714359  | 4.617757  | 3.725874  | 0.876609  | 0.331449  | 1.463615  | 13.5696   | 18.213945 | 4.71497 | 0.514784  | 0.685654 | 0.531465 |
| Seita.1G084600 | 0         | 0         | 0         | 1.682948  | 2.285675  | 0.787165  | 0         | 0         | 0       | 0.566415  | 3.272488 | 0.614026 |
| Seita.1G090900 | 31.115261 | 41.657097 | 38.378757 | 64.870903 | 92.432587 | 81.281693 | 240.0056  | 135.37756 | 54.2931 | 30.941652 | 35.59293 | 38.01011 |
| Seita.1G098100 | 0.430704  | 0.150322  | 0.296478  | 0.824804  | 2.68128   | 0.677365  | 0.218657  | 0.284728  | 0.2378  | 4.268065  | 1.62377  | 2.113525 |
| Seita.1G100400 | 44.220104 | 28.036249 | 29.805748 | 7.942998  | 12.143887 | 6.054448  | 35.805233 | 34.83548  | 34.975  | 15.321908 | 15.29226 | 10.29715 |
| Seita.1G104100 | 0.251179  | 0.471442  | 2.958551  | 0         | 0         | 0         | 1.277149  | 3.669734  | 2.28822 | 0         | 0        | 0        |
| Seita.1G119300 | 3.96901   | 2.359296  | 1.533411  | 60.536604 | 0.264692  | 69.911687 | 7.175566  | 2.544641  | 5.66418 | 69.286957 | 0.524176 | 74.76418 |
| Seita.1G128300 | 0         | 0         | 0         | 0.22641   | 0.553687  | 0.179156  | 0         | 0         | 0       | 0.587537  | 0.70986  | 0.160984 |
| Seita.1G131100 | 0         | 0         | 0         | 9.040647  | 9.812942  | 8.419033  | 0         | 0         | 0       | 5.303318  | 10.3229  | 8.12557  |
| Seita.1G144900 | 53.359627 | 77.311127 | 70.115677 | 27.614609 | 39.492622 | 36.800098 | 145.78697 | 121.70382 | 82.9895 | 36.484615 | 39.87104 | 42.44225 |
| Seita.1G145500 | 0         | 0         | 0         | 11.535191 | 13.444567 | 11.306775 | 0         | 0         | 0       | 10.720573 | 10.92914 | 9.442631 |
| Seita.1G154800 | 6.868699  | 4.645497  | 7.774697  | 2.229939  | 3.216301  | 2.131854  | 5.635998  | 5.515924  | 6.16858 | 2.923952  | 3.034166 | 2.138938 |
| Seita.1G156700 | 94.242233 | 73.700134 | 63.038311 | 287.82785 | 174.05913 | 273.69247 | 438.94226 | 522.85797 | 173.172 | 86.901962 | 70.58377 | 127.9239 |
| Seita.1G165400 | 0         | 0         | 0         | 0.218492  | 0.043154  | 0.853305  | 0         | 0         | 0       | 0.514083  | 0.30796  | 1.024737 |
| Seita.1G179000 | 1.534428  | 1.510008  | 2.30704   | 5.503492  | 9.474977  | 6.545971  | 2.570429  | 1.669546  | 3.70085 | 24.520514 | 11.00649 | 9.152856 |
| Seita.1G181500 | 0         | 0         | 0         | 0.522299  | 1.056235  | 0.283929  | 0         | 0         | 0       | 1.120497  | 1.201111 | 0.886105 |
| Seita.1G181600 | 4.5887    | 4.067166  | 2.696331  | 22.906008 | 17.775943 | 22.801037 | 1.50561   | 3.433361  | 3.00972 | 10.145592 | 13.90106 | 16.32288 |
| Seita.1G185000 | 0         | 0.051516  | 0.053362  | 0.427622  | 0.308544  | 0.389074  | 0.014418  | 0         | 0       | 0.13825   | 0.179072 | 0.072402 |
| Seita.1G190900 | 0         | 0.247982  | 0.789393  | 0.020089  | 0.01192   | 0.012204  | 0.566491  | 0.285188  | 0.06987 | 0         | 0.012212 | 0        |
| Seita.1G196500 | 0.068391  | 0.214579  | 0.240297  | 1.631837  | 2.32001   | 0.878057  | 0.057553  | 0         | 0.03105 | 3.96171   | 2.937963 | 6.214733 |
| Seita.1G206400 | 1.394321  | 1.572819  | 4.342879  | 0.021655  | 0.043002  | 0         | 1.527589  | 0.501262  | 1.01339 | 0.042195  | 0        | 0.058579 |
| Seita.1G210500 | 2.271115  | 1.2916    | 1.644895  | 0.268596  | 0.17012   | 0.442415  | 0.472431  | 1.357473  | 1.70731 | 0.308116  | 0.262891 | 0.095009 |
| Seita.1G219400 | 0         | 0         | 0         | 1.942108  | 0.509332  | 1.047541  | 0         | 0         | 0       | 2.291183  | 2.026336 | 3.942017 |
| Seita.1G226700 | 5.98909   | 26.867785 | 23.631873 | 2.61916   | 4.335393  | 3.10594   | 52.073018 | 61.04881  | 28.8618 | 2.704206  | 3.742664 | 1.838031 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.1G227000 | 0.216261  | 0.457679  | 0.081961  | 0         | 0         | 0         | 0.593891  | 0.179017  | 0.1527  | 0         | 0        | 0        |
| Seita.1G227100 | 6.841062  | 9.690345  | 6.53146   | 1.161543  | 0.904035  | 1.434126  | 7.895193  | 7.969851  | 7.00182 | 1.025404  | 1.001446 | 1.80896  |
| Seita.1G233400 | 0.029116  | 2.064629  | 0.28659   | 26.28249  | 5.094572  | 3.657741  | 27.623266 | 6.986702  | 0.50573 | 0.635621  | 0.226602 | 0.131139 |
| Seita.1G233900 | 0         | 0         | 0         | 1.88812   | 2.062338  | 1.756735  | 0         | 0         | 0       | 1.009147  | 1.116949 | 1.5402   |
| Seita.1G234000 | 0         | 0         | 0         | 2.526864  | 3.573089  | 4.774796  | 0         | 0         | 0       | 2.455452  | 3.079467 | 3.387361 |
| Seita.1G234500 | 0.034301  | 0         | 0         | 9.77725   | 48.824306 | 11.345797 | 0         | 0         | 0       | 35.752399 | 23.98341 | 16.58219 |
| Seita.1G234600 | 0         | 0         | 0         | 0.937372  | 2.58282   | 3.089644  | 0.045424  | 0         | 0       | 2.953117  | 2.474162 | 1.625489 |
| Seita.1G235200 | 0.070569  | 0         | 0         | 0.441275  | 1.001776  | 0.470321  | 0         | 0         | 0       | 0.758669  | 1.257925 | 0.43505  |
| Seita.1G235600 | 2.456647  | 2.064159  | 4.591541  | 0         | 0         | 0         | 1.302274  | 1.902152  | 1.63477 | 0         | 0        | 0        |
| Seita.1G247400 | 14.848973 | 47.443961 | 40.558741 | 2.562135  | 1.295532  | 2.152164  | 29.266179 | 16.674854 | 13.5378 | 0.260825  | 0.269803 | 0.528159 |
| Seita.1G249900 | 0         | 0         | 0         | 0.76276   | 0.381217  | 0.581777  | 0         | 0         | 0       | 0.272511  | 0.416064 | 0.508602 |
| Seita.1G257800 | 0.692718  | 0.326945  | 0.657812  | 1.353924  | 3.510185  | 1.297108  | 1.59184   | 3.67173   | 3.32013 | 10.442822 | 8.76501  | 8.689023 |
| Seita.1G259900 | 13.81949  | 8.064221  | 0.29853   | 0.767926  | 0.63063   | 1.1709    | 1.786079  | 1.048912  | 1.56028 | 9.212893  | 3.862683 | 2.32787  |
| Seita.1G279700 | 2.061508  | 1.285305  | 1.506072  | 0.570677  | 0.259816  | 0.518655  | 2.087824  | 2.176282  | 1.59612 | 0.338486  | 0.185459 | 0.206113 |
| Seita.1G285500 | 0.144074  | 0.132929  | 0.174276  | 1.189629  | 0.523446  | 0.68623   | 0         | 0         | 0       | 0.612853  | 0.708915 | 0.378822 |
| Seita.1G286000 | 7.327805  | 20.163464 | 30.982194 | 0.285728  | 0.072113  | 0.90648   | 34.030718 | 37.008358 | 23.6763 | 0.189253  | 0.086414 | 0.814872 |
| Seita.1G298700 | 2.140614  | 1.182491  | 0.324869  | 8.185246  | 6.664448  | 18.965988 | 2.585185  | 0.52779   | 0.92918 | 9.860146  | 8.612234 | 8.17407  |
| Seita.1G304300 | 11.847968 | 8.84091   | 7.350469  | 2.287047  | 1.949702  | 4.270339  | 11.724159 | 13.30901  | 16.6888 | 4.096595  | 5.077769 | 5.005524 |
| Seita.1G309300 | 0         | 0         | 0         | 0.23517   | 0.29331   | 0.132887  | 0         | 0         | 0       | 0.244578  | 0.131673 | 0.217643 |
| Seita.1G320800 | 0         | 0         | 0         | 0.125392  | 0.081574  | 0.219666  | 0         | 0         | 0       | 0.269922  | 0.138948 | 0.259616 |
| Seita.1G320900 | 0.846986  | 1.414777  | 0.671087  | 2.947777  | 2.562771  | 3.21446   | 1.259205  | 0.918252  | 1.12503 | 1.913114  | 3.267657 | 2.630574 |
| Seita.1G339900 | 2.364065  | 0.830822  | 0.065912  | 0.056262  | 0.016709  | 0         | 0.008954  | 0         | 0.06646 | 0.539296  | 0.699024 | 0.692806 |
| Seita.1G346300 | 0         | 0         | 0         | 1.302434  | 1.34104   | 0.475881  | 0         | 0         | 0       | 1.344978  | 0.629176 | 0.764132 |
| Seita.1G346800 | 3.778021  | 4.670651  | 1.448116  | 1.070139  | 0.650569  | 1.234506  | 0.015236  | 0.131448  | 0.22884 | 0         | 0        | 0        |
| Seita.1G349000 | 4.082604  | 5.804296  | 11.902341 | 21.356997 | 19.531147 | 22.675154 | 8.533563  | 9.223445  | 12.1734 | 23.081961 | 23.1509  | 25.96512 |
| Seita.1G354900 | 0         | 0.017042  | 0         | 6.757556  | 4.423091  | 5.524343  | 0         | 0         | 0       | 7.053249  | 5.483672 | 10.18561 |
| Seita.1G358900 | 0.327787  | 0.11992   | 0.230456  | 0.541035  | 1.166338  | 1.290201  | 3.514226  | 2.769982  | 2.25435 | 0.88844   | 1.255967 | 1.356308 |
| Seita.1G360400 | 46.297237 | 81.575333 | 65.370781 | 309.32736 | 144.49294 | 201.3755  | 263.70813 | 231.90682 | 101.788 | 92.064331 | 88.85422 | 53.43883 |
| Seita.1G367000 | 0         | 0         | 0         | 0.687493  | 1.038217  | 0.115027  | 0.030105  | 0         | 0       | 0.978124  | 0.350453 | 1.922333 |
| Seita.2G013300 | 0         | 0         | 0         | 0.184671  | 0.250838  | 0.056922  | 0         | 0         | 0       | 0.225826  | 0.209947 | 0.167976 |
| Seita.2G021300 | 0.175029  | 0         | 0         | 3.75049   | 3.861973  | 4.246781  | 0         | 0         | 0       | 10.939066 | 3.058632 | 8.738222 |
| Seita.2G023600 | 0         | 0         | 0         | 0.169831  | 0.985341  | 0.142665  | 0         | 0         | 0       | 1.917621  | 1.76934  | 0.408978 |
| Seita.2G025500 | 0.26267   | 0.490867  | 0.061094  | 10.264165 | 12.689639 | 8.218722  | 0.470494  | 0         | 0.11334 | 8.731945  | 13.19697 | 7.035909 |
| Seita.2G029500 | 2.355667  | 1.224173  | 0.658874  | 2.855802  | 7.721998  | 4.982624  | 3.715137  | 2.933195  | 2.30641 | 7.835272  | 7.619577 | 7.945938 |
| Seita.2G033900 | 0         | 0         | 0         | 1.599259  | 1.792679  | 1.199635  | 0.447884  | 0         | 0.33459 | 2.500682  | 2.731829 | 3.791935 |
| Seita.2G036700 | 0         | 0.060495  | 0         | 0.380877  | 0.688856  | 1.094177  | 0         | 0         | 0       | 0.802378  | 1.015855 | 1.273019 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.2G040500 | 0.208761  | 2.26119   | 2.947548  | 0.361093  | 0.21471   | 0.199768  | 3.932532  | 2.83033   | 1.85156 | 0.336604  | 0.361774 | 0.441767 |
| Seita.2G040800 | 0.365898  | 0.706923  | 1.142819  | 0.230707  | 0.144874  | 0.10291   | 1.799456  | 1.085372  | 0.65578 | 0.369716  | 0.288441 | 0.327951 |
| Seita.2G047200 | 0.697946  | 0.033902  | 0.511493  | 10.366626 | 15.173588 | 9.276442  | 1.050663  | 0.828589  | 0.96496 | 11.374985 | 16.96067 | 11.75301 |
| Seita.2G048000 | 0.234863  | 0.289266  | 0.485715  | 0.740482  | 1.173756  | 1.180431  | 0.277248  | 0.152081  | 0.54435 | 0.96989   | 1.645938 | 1.558198 |
| Seita.2G053100 | 0         | 0         | 0         | 0.444187  | 0.506961  | 0.296114  | 0         | 0         | 0       | 0.213209  | 0.504824 | 0.516914 |
| Seita.2G055500 | 0.197932  | 0.568203  | 0.388959  | 1.933976  | 2.098944  | 1.163834  | 0.601772  | 0.251648  | 0.2585  | 1.481139  | 2.046568 | 1.506628 |
| Seita.2G055600 | 1.097221  | 1.650443  | 1.309015  | 6.748124  | 5.356153  | 5.485518  | 0.813471  | 0.838896  | 1.46369 | 19.273451 | 22.3824  | 13.15406 |
| Seita.2G055700 | 0         | 0         | 0.268657  | 6.341078  | 8.345716  | 8.359349  | 0.139448  | 0.08723   | 0       | 8.306558  | 8.739219 | 7.763462 |
| Seita.2G055800 | 0.058521  | 0.48224   | 0.38494   | 3.997137  | 8.122234  | 7.133181  | 0.660451  | 0.54528   | 0.38882 | 5.520848  | 7.544534 | 4.404731 |
| Seita.2G056400 | 1.251555  | 1.592538  | 1.486344  | 9.973341  | 16.652073 | 11.002846 | 2.532722  | 2.264266  | 1.87101 | 10.591489 | 10.47054 | 10.17089 |
| Seita.2G056600 | 0.141173  | 0.631346  | 0.595348  | 2.363708  | 3.460992  | 2.357652  | 0.762609  | 0.366118  | 0.21751 | 2.940198  | 3.311295 | 2.351932 |
| Seita.2G057200 | 1.738684  | 3.161897  | 1.287444  | 3.612262  | 4.682505  | 8.433599  | 21.833748 | 11.654832 | 3.16356 | 3.052519  | 2.82448  | 1.845249 |
| Seita.2G064500 | 0         | 0.570634  | 0.213816  | 0         | 0         | 0         | 0.321183  | 0.539447  | 0.32603 | 0         | 0        | 0        |
| Seita.2G068600 | 60.916569 | 63.193924 | 28.784819 | 26.143574 | 24.917801 | 20.160061 | 64.928558 | 50.139812 | 36.905  | 22.292509 | 29.3171  | 19.39788 |
| Seita.2G074000 | 1.131703  | 0.257165  | 0.157374  | 4.547334  | 5.876836  | 2.415345  | 1.630685  | 1.289822  | 1.00559 | 2.648416  | 2.841746 | 2.962343 |
| Seita.2G085000 | 4.611554  | 4.762736  | 2.293347  | 0.450553  | 0.350505  | 1.012382  | 7.019145  | 3.83528   | 4.70504 | 1.023582  | 0.828144 | 0.494467 |
| Seita.2G094400 | 3.209559  | 0.765047  | 0.653988  | 0         | 0         | 0         | 11.098566 | 3.297715  | 5.82668 | 0         | 0        | 0        |
| Seita.2G097200 | 0         | 0         | 0         | 4.005916  | 0.08498   | 6.495509  | 0.160238  | 0         | 0.11581 | 14.776681 | 0.340191 | 12.32122 |
| Seita.2G115800 | 0.992613  | 0.136869  | 0.148559  | 2.597826  | 1.199159  | 7.716462  | 0.079275  | 0.026424  | 0.10253 | 0.972281  | 0.700132 | 2.995788 |
| Seita.2G115900 | 0.519137  | 0.10466   | 0.449576  | 1.635231  | 1.743904  | 2.632557  | 0.172343  | 0.16893   | 0.19521 | 0.815358  | 1.04326  | 1.772017 |
| Seita.2G118800 | 0.170743  | 0.615865  | 0.620717  | 32.957954 | 0.007253  | 36.998188 | 0.578606  | 0.872213  | 0.65741 | 25.10887  | 0.050757 | 33.0795  |
| Seita.2G123800 | 0.324492  | 0.654248  | 0.584045  | 27.81403  | 0.027592  | 28.504311 | 0.623196  | 0.967778  | 0.54496 | 27.049461 | 0.129219 | 29.58054 |
| Seita.2G123900 | 2.773584  | 0.939533  | 1.970025  | 6.908914  | 6.37393   | 8.255144  | 1.425705  | 1.202356  | 0.78949 | 5.362238  | 5.660832 | 8.107409 |
| Seita.2G135600 | 17.973513 | 18.807171 | 20.763504 | 67.09243  | 27.948681 | 62.216743 | 33.380005 | 36.92268  | 17.5344 | 12.70356  | 7.733811 | 8.149049 |
| Seita.2G140600 | 1.849513  | 7.795621  | 5.32759   | 0         | 0         | 0.097658  | 19.923489 | 13.863496 | 52.7277 | 0.307132  | 0        | 0.02168  |
| Seita.2G143600 | 18.327421 | 5.327475  | 3.847267  | 2.027253  | 1.173368  | 1.800434  | 6.355937  | 3.60113   | 4.71061 | 0.669638  | 1.061401 | 1.090658 |
| Seita.2G144600 | 0         | 0         | 0         | 1.357027  | 1.011176  | 2.173819  | 0         | 0         | 0       | 1.161443  | 2.294749 | 1.829496 |
| Seita.2G152000 | 0.035394  | 0         | 0         | 0.489089  | 0.389173  | 0.352748  | 0         | 0         | 0       | 0.476847  | 0.144887 | 0.219694 |
| Seita.2G175100 | 0.128765  | 0.033045  | 0         | 2.98301   | 2.41414   | 2.582382  | 0.254977  | 0.042353  | 0.10595 | 1.487914  | 1.041391 | 0.968222 |
| Seita.2G178900 | 0.67854   | 0.566591  | 0.297706  | 0.019282  | 0         | 0         | 0.361699  | 1.149415  | 1.13116 | 0         | 0        | 0        |
| Seita.2G180500 | 0         | 0         | 0.469664  | 7.314086  | 8.404696  | 5.572057  | 0         | 0.137541  | 0       | 5.535571  | 6.731748 | 5.172548 |
| Seita.2G211700 | 10.31665  | 29.584496 | 2.913388  | 1.457777  | 0.695321  | 1.42697   | 0.263583  | 0.036659  | 3.48365 | 54.001617 | 32.00991 | 64.43265 |
| Seita.2G233600 | 0         | 0         | 0         | 3.283945  | 3.793859  | 2.716065  | 0         | 0         | 0       | 2.875424  | 3.46378  | 3.290117 |
| Seita.2G234900 | 0         | 0         | 0         | 0.119761  | 0.488267  | 0.209259  | 0         | 0         | 0       | 0.207245  | 0.624842 | 0.126388 |
| Seita.2G251400 | 0         | 0.030988  | 0.040372  | 0.829634  | 0.741621  | 0.218243  | 0.272978  | 0.112013  | 0.1462  | 0.461413  | 1.09375  | 1.209809 |
| Seita.2G262000 | 0.260797  | 5.381304  | 7.27722   | 0.545426  | 0.463706  | 0.246738  | 3.945564  | 6.48216   | 7.84958 | 0.527078  | 0.884859 | 0.466869 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.2G277800 | 19.479079 | 15.918382 | 16.105626 | 5.051745  | 7.368321  | 4.417857  | 19.913994 | 18.078805 | 19.4689 | 3.978648  | 8.509974 | 5.38365  |
| Seita.2G290500 | 0.05196   | 0.117896  | 0.084979  | 0.393647  | 1.389607  | 0.722877  | 0.461287  | 0.454276  | 0.28211 | 1.24788   | 0.8632   | 1.740025 |
| Seita.2G313200 | 0.536473  | 1.025268  | 1.718068  | 11.029198 | 4.522832  | 4.444346  | 3.516436  | 1.581505  | 2.02608 | 6.817716  | 7.619207 | 8.268023 |
| Seita.2G313300 | 2.476011  | 0.339968  | 0.593781  | 8.523634  | 10.099061 | 8.571781  | 1.34535   | 4.575265  | 10.5077 | 9.76414   | 44.29557 | 35.60705 |
| Seita.2G314800 | 2.487997  | 1.837728  | 0.736354  | 4.604175  | 10.933875 | 4.858045  | 7.704035  | 4.079541  | 3.24927 | 15.49701  | 16.34875 | 7.935102 |
| Seita.2G324800 | 0         | 0         | 0         | 0.306872  | 0.056677  | 0.359306  | 0         | 0         | 0       | 0.146481  | 0.094997 | 0.250842 |
| Seita.2G397700 | 0.737316  | 0.757071  | 0.767772  | 3.910004  | 2.39411   | 1.760665  | 0.728889  | 0.453048  | 0.58565 | 3.25386   | 3.995043 | 4.295056 |
| Seita.2G402900 | 5.249107  | 7.582567  | 3.757508  | 0.44277   | 0.548847  | 0.288264  | 1.918456  | 1.938531  | 1.41117 | 0.358002  | 0.466139 | 0.111486 |
| Seita.2G403700 | 0         | 0         | 0         | 0.414996  | 1.250515  | 0.433684  | 0         | 0         | 0       | 1.153558  | 0.536631 | 1.264731 |
| Seita.2G412700 | 15.208794 | 18.122448 | 16.952696 | 215.34689 | 196.57279 | 314.9825  | 20.017246 | 20.39384  | 12.1011 | 130.921   | 114.0628 | 145.3346 |
| Seita.3G008600 | 0.110881  | 0.912016  | 0.459407  | 0         | 0         | 0         | 0.642952  | 0.635462  | 0.75631 | 0.095331  | 0.133795 | 0.168533 |
| Seita.3G012600 | 25.568357 | 42.332779 | 39.714424 | 0         | 0         | 0.047329  | 38.639854 | 48.060814 | 35.0034 | 0         | 0        | 0        |
| Seita.3G013400 | 5.915363  | 22.274378 | 25.519608 | 0         | 0         | 0         | 35.194977 | 32.26025  | 20.9818 | 0         | 0        | 0        |
| Seita.3G013600 | 0         | 0         | 0         | 24.315016 | 18.553575 | 16.804912 | 0         | 0         | 0       | 12.729851 | 13.99421 | 19.24079 |
| Seita.3G019600 | 0.246358  | 0.573136  | 0.499492  | 0.130559  | 0.075036  | 0.021218  | 0.598667  | 0.462035  | 0.57079 | 0.040022  | 0.153092 | 0.07829  |
| Seita.3G042000 | 0         | 1.050426  | 2.048367  | 0         | 0         | 0         | 2.568525  | 1.331147  | 2.02497 | 0         | 0        | 0        |
| Seita.3G051700 | 1.818759  | 0.914388  | 2.617932  | 5.618128  | 6.882595  | 10.21615  | 10.792061 | 13.032824 | 18.2208 | 21.690853 | 36.6511  | 45.63916 |
| Seita.3G064800 | 0.046948  | 0.69575   | 0.168814  | 0.015432  | 0         | 0.01216   | 4.799073  | 1.296077  | 0.22441 | 0         | 0        | 0        |
| Seita.3G065500 | 0.112145  | 0.057785  | 0.188829  | 6.744468  | 8.497134  | 8.683132  | 0.080729  | 0.036803  | 0.06011 | 10.109716 | 9.593238 | 4.170196 |
| Seita.3G065600 | 0         | 0         | 0         | 5.231879  | 4.415905  | 3.442951  | 0         | 0         | 0       | 2.301566  | 3.13682  | 1.960357 |
| Seita.3G069400 | 71.99453  | 70.854614 | 78.878998 | 0         | 0         | 0.275487  | 122.46279 | 113.23306 | 59.2022 | 0         | 0.024791 | 0        |
| Seita.3G087300 | 2.487788  | 1.052418  | 1.774222  | 0         | 0         | 0.035096  | 1.217313  | 0.16657   | 0.13165 | 0         | 0        | 0        |
| Seita.3G089700 | 18.242439 | 21.585526 | 13.964368 | 43.117218 | 41.151058 | 59.329765 | 18.211855 | 15.978507 | 11.0043 | 28.327194 | 29.92591 | 36.62738 |
| Seita.3G090200 | 0.064344  | 0         | 0         | 15.055837 | 31.898376 | 18.105232 | 0         | 0         | 0.01851 | 13.929626 | 27.20355 | 13.71998 |
| Seita.3G092200 | 0         | 0         | 0         | 0.384688  | 0.377861  | 0.669047  | 0         | 0         | 0       | 0.377144  | 0.335045 | 0.322859 |
| Seita.3G092500 | 0         | 0         | 0         | 1.586987  | 2.200816  | 2.577094  | 0         | 0         | 0       | 1.43287   | 1.576771 | 1.420177 |
| Seita.3G093400 | 0.248305  | 0.317016  | 0.390886  | 0.987204  | 0.918457  | 2.984206  | 4.680277  | 9.050502  | 3.23701 | 0.337667  | 0.481814 | 0.525913 |
| Seita.3G106700 | 0.072032  | 0.324926  | 0.568098  | 0.423029  | 5.937192  | 7.207609  | 0.046049  | 0.211667  | 0.69251 | 0.460133  | 5.157108 | 6.307641 |
| Seita.3G107300 | 0.923281  | 1.505643  | 1.325462  | 4.062444  | 5.101033  | 5.11754   | 0.698902  | 1.472484  | 0.95369 | 4.915432  | 3.605225 | 2.756131 |
| Seita.3G113600 | 2.96398   | 6.593193  | 9.098449  | 0.577756  | 1.052952  | 0.685349  | 12.431738 | 9.697508  | 11.643  | 1.210819  | 0.888714 | 1.688368 |
| Seita.3G118100 | 0         | 2.811552  | 16.535967 | 0         | 0         | 0         | 3.55924   | 0.251764  | 2.37977 | 0         | 0        | 0        |
| Seita.3G125700 | 0         | 0         | 0         | 2.16624   | 1.206856  | 2.024343  | 0         | 0         | 0       | 1.968004  | 2.077478 | 1.429303 |
| Seita.3G127400 | 0         | 8.880113  | 6.706734  | 0         | 0         | 0         | 12.572691 | 9.66299   | 3.24474 | 0         | 0        | 0        |
| Seita.3G127600 | 0.00991   | 0.043057  | 0.081918  | 0.520984  | 0.335525  | 0.27485   | 0.011465  | 0.091986  | 0.03182 | 0.216969  | 0.268476 | 0.435047 |
| Seita.3G130200 | 0.829279  | 1.036558  | 0.534069  | 0.099744  | 0         | 0.06938   | 1.076937  | 1.007755  | 0.55778 | 0         | 0        | 0        |
| Seita.3G144300 | 0.912241  | 0.524859  | 0.221571  | 2.436654  | 3.608301  | 7.968861  | 2.730562  | 1.043993  | 1.18147 | 3.589792  | 5.926956 | 3.736264 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.3G150900 | 2.675665  | 1.133546  | 1.087266  | 0.630433  | 0.390503  | 0.610388  | 2.188726  | 2.094229  | 4.73445 | 0.327961  | 0.190027 | 0.090839 |
| Seita.3G155900 | 0         | 0         | 0         | 11.982869 | 10.701799 | 8.396745  | 0         | 0         | 0       | 9.920484  | 10.92504 | 10.68064 |
| Seita.3G161100 | 0         | 11.819271 | 10.111569 | 0         | 0.058418  | 0.378933  | 16.017563 | 21.217875 | 10.2069 | 0         | 0        | 0        |
| Seita.3G165500 | 0.572367  | 0.569438  | 0.574742  | 1.05241   | 1.50906   | 1.632912  | 1.317186  | 1.193063  | 1.19504 | 2.275696  | 3.336694 | 2.510356 |
| Seita.3G165800 | 1.784639  | 2.026831  | 0.982652  | 4.569041  | 11.752026 | 8.171003  | 2.410393  | 7.709759  | 7.66157 | 26.064585 | 22.40967 | 64.99969 |
| Seita.3G170100 | 1.841083  | 4.234883  | 2.993799  | 0.706861  | 0.815797  | 1.666569  | 5.076979  | 4.164828  | 5.92584 | 1.634119  | 1.675599 | 1.313653 |
| Seita.3G174500 | 3.111344  | 4.49361   | 2.980973  | 0         | 0         | 0         | 2.425147  | 4.345075  | 3.04542 | 0         | 0        | 0        |
| Seita.3G174600 | 0.480756  | 1.561815  | 1.142103  | 0         | 0         | 0.073335  | 1.615217  | 2.079247  | 1.27571 | 0         | 0        | 0        |
| Seita.3G178800 | 0         | 0         | 0         | 0.258094  | 0.423976  | 0.308646  | 0         | 0         | 0       | 0.508658  | 0.496271 | 0.590736 |
| Seita.3G189900 | 0         | 0         | 0         | 0.629704  | 0.396597  | 0.173121  | 0         | 0         | 0       | 0.230588  | 0.234559 | 0.062072 |
| Seita.3G195000 | 1.157383  | 2.561643  | 1.713296  | 0.975921  | 0.649735  | 0.835202  | 3.025125  | 1.707259  | 1.19447 | 0.438998  | 0.789623 | 0.69722  |
| Seita.3G199900 | 5.452131  | 2.896641  | 7.243706  | 1.134169  | 0.878614  | 0.884899  | 5.728979  | 8.114397  | 9.09434 | 0.736789  | 0.500564 | 0.819186 |
| Seita.3G204100 | 0         | 0         | 0         | 0.426113  | 0.199144  | 0.316181  | 0.025092  | 0         | 0       | 0.289031  | 0.248028 | 0.286754 |
| Seita.3G210300 | 0.506812  | 0.764227  | 0.714685  | 5.324589  | 14.906054 | 17.799648 | 1.254016  | 0.990485  | 0.79261 | 5.724025  | 16.94379 | 13.66626 |
| Seita.3G210500 | 1.301457  | 1.674465  | 1.877327  | 6.959697  | 17.392744 | 20.708052 | 2.65307   | 2.31183   | 1.73987 | 6.521713  | 19.9477  | 15.50507 |
| Seita.3G210700 | 0.969735  | 0.386798  | 0.843992  | 0         | 0         | 0         | 3.308281  | 1.30739   | 1.87338 | 0         | 0        | 0.100399 |
| Seita.3G211000 | 0.061855  | 1.783018  | 1.261467  | 94.545059 | 97.999596 | 72.340462 | 2.70364   | 3.904083  | 1.42762 | 89.240463 | 98.4445  | 98.88897 |
| Seita.3G211100 | 0.013339  | 1.385551  | 0.845882  | 104.57425 | 97.398476 | 73.25518  | 2.099795  | 2.50089   | 1.23568 | 99.595215 | 108.8735 | 105.4676 |
| Seita.3G214100 | 0         | 0         | 0         | 0.088657  | 0.347245  | 0.047232  | 0.061983  | 0.047522  | 0.09582 | 0.271086  | 0.597117 | 0.20513  |
| Seita.3G215300 | 0.381031  | 1.184803  | 0.706561  | 3.840892  | 2.798073  | 1.610345  | 2.415526  | 1.129703  | 1.3227  | 2.186828  | 4.02565  | 2.992134 |
| Seita.3G216900 | 539.19605 | 51.398911 | 27.487103 | 22.603647 | 8.686329  | 12.042661 | 28.553204 | 14.924128 | 93.9905 | 413.81903 | 266.4364 | 171.7625 |
| Seita.3G224300 | 0.514455  | 1.010965  | 0.854099  | 0.34607   | 0.352698  | 0.379077  | 1.008525  | 0.87506   | 0.81712 | 0.177021  | 0.269889 | 0.241    |
| Seita.3G230000 | 0         | 0         | 0         | 0.903205  | 0.94857   | 2.081575  | 0         | 0         | 0       | 1.055116  | 1.288474 | 1.230648 |
| Seita.3G232000 | 4.942499  | 3.364226  | 3.428879  | 9.043237  | 12.81351  | 13.221145 | 4.959648  | 6.837112  | 5.26499 | 14.529328 | 14.1592  | 13.67268 |
| Seita.3G251200 | 0.124184  | 0.067708  | 0.084271  | 0         | 0         | 0         | 0         | 0         | 0       | 0.17917   | 0.183041 | 0.102704 |
| Seita.3G256400 | 10.625561 | 14.233436 | 12.33661  | 60.902977 | 38.830307 | 32.790146 | 8.308427  | 11.205446 | 10.2994 | 38.364544 | 32.24724 | 29.03871 |
| Seita.3G262200 | 42.661304 | 18.930138 | 22.974112 | 2.206935  | 3.78105   | 3.747497  | 32.977127 | 24.411749 | 20.0977 | 4.822168  | 5.655452 | 4.388568 |
| Seita.3G268100 | 1.135643  | 4.213153  | 2.418311  | 0.544958  | 0.326762  | 0.387859  | 2.129204  | 4.040508  | 1.73912 | 0.514799  | 0.432406 | 0.706573 |
| Seita.3G268300 | 2.558882  | 3.322338  | 2.475162  | 0.3046    | 0.320678  | 0.264781  | 4.638158  | 6.35737   | 4.49076 | 0.514298  | 0.218248 | 0.528058 |
| Seita.3G270200 | 2.676978  | 7.511878  | 3.439637  | 2.021082  | 0.829801  | 1.494586  | 15.384062 | 10.686016 | 2.52971 | 1.326522  | 0.595485 | 0.617148 |
| Seita.3G270500 | 9.254375  | 5.816561  | 3.900297  | 0         | 0.043339  | 0.061011  | 7.081325  | 8.073982  | 5.9145  | 0.034514  | 0.078835 | 0        |
| Seita.3G276500 | 0.180022  | 0.211748  | 0.089199  | 4.73835   | 4.978432  | 6.274901  | 0.268368  | 0.214386  | 0.07877 | 6.293603  | 6.149016 | 6.098712 |
| Seita.3G277400 | 0.044004  | 0         | 0         | 0.832167  | 0.518198  | 0.350956  | 0         | 0         | 0       | 4.001656  | 3.509152 | 1.307782 |
| Seita.3G284800 | 2.456757  | 2.187149  | 2.459033  | 129.94412 | 99.992645 | 103.23254 | 1.728996  | 3.427329  | 2.40744 | 87.836273 | 103.5346 | 86.68219 |
| Seita.3G284900 | 0         | 0         | 0         | 7.193016  | 2.031961  | 3.431817  | 0         | 0         | 0       | 4.021821  | 3.565704 | 4.122829 |
| Seita.3G285300 | 16.172476 | 1.761877  | 2.14875   | 0         | 0         | 0         | 1.992265  | 1.622855  | 1.00914 | 0         | 0        | 0        |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.3G290200 | 0.831387  | 1.749138  | 1.687062  | 0         | 0         | 0         | 2.251643  | 0.732176  | 1.59667 | 0         | 0        | 0        |
| Seita.3G298200 | 3.225515  | 11.996845 | 15.435419 | 0         | 0         | 0         | 7.372414  | 10.044487 | 10.5323 | 0         | 0        | 0        |
| Seita.3G298900 | 0.151308  | 0.490923  | 0.073428  | 0         | 0         | 0         | 0.22874   | 0.048724  | 0.29855 | 0         | 0        | 0        |
| Seita.3G299200 | 0.11892   | 0         | 0         | 16.17907  | 17.287767 | 16.74979  | 0         | 0         | 0       | 11.902579 | 13.73685 | 15.10174 |
| Seita.3G299400 | 0         | 0         | 0         | 0.65842   | 0.116242  | 0.627116  | 0         | 0         | 0       | 0.364458  | 0.26112  | 0.345158 |
| Seita.3G299500 | 0         | 0         | 0.055796  | 0.497613  | 0.583127  | 0.851596  | 0         | 0         | 0       | 0.53653   | 0.309337 | 0.656194 |
| Seita.3G303300 | 0.055504  | 4.277883  | 1.985628  | 20.153879 | 16.100542 | 21.556978 | 2.48529   | 1.969374  | 1.3261  | 13.736976 | 18.04913 | 25.40669 |
| Seita.3G307800 | 0         | 0         | 0         | 14.852697 | 8.983326  | 11.256465 | 0         | 0         | 0       | 12.44139  | 18.80782 | 12.05361 |
| Seita.3G314700 | 2.548913  | 0.89139   | 1.488263  | 20.367048 | 17.630007 | 19.50635  | 0.433327  | 0         | 0.15639 | 20.09444  | 21.13683 | 24.51447 |
| Seita.3G321600 | 0.138564  | 0         | 0         | 3.476778  | 1.112448  | 2.880091  | 0.046667  | 0         | 0       | 2.905918  | 1.710477 | 1.411205 |
| Seita.3G339300 | 0         | 0         | 0         | 8.282079  | 5.569207  | 4.511777  | 0         | 0         | 0.06431 | 10.345576 | 12.26102 | 9.852277 |
| Seita.3G342000 | 0.21953   | 0.094722  | 0.210158  | 2.146855  | 0.836521  | 1.606967  | 0.693895  | 0.319101  | 0.07752 | 2.008463  | 3.082609 | 1.984498 |
| Seita.3G352200 | 0         | 0         | 0         | 5.337501  | 0         | 4.899794  | 0         | 0         | 0       | 5.799406  | 0        | 5.376678 |
| Seita.3G379700 | 0.606873  | 2.674689  | 1.512201  | 6.377536  | 4.024292  | 6.457826  | 7.865855  | 23.234297 | 2.76921 | 1.136873  | 3.056448 | 2.747553 |
| Seita.3G385900 | 0.18336   | 0.175984  | 0.267042  | 2.139788  | 2.945309  | 2.206734  | 0.873144  | 1.056642  | 1.69152 | 4.841384  | 6.765342 | 4.750577 |
| Seita.3G386000 | 0.990504  | 0.354655  | 0.380661  | 1.562024  | 8.286882  | 1.543841  | 0.166146  | 0.650124  | 1.90349 | 13.27162  | 16.52909 | 16.72092 |
| Seita.3G396300 | 0.21051   | 0.26319   | 1.356251  | 0.063227  | 0.015908  | 0.052459  | 1.048925  | 1.119334  | 0.98603 | 0         | 0        | 0        |
| Seita.3G398400 | 0         | 0         | 0         | 0.389401  | 0.600521  | 0.766417  | 0         | 0         | 0       | 1.581528  | 0.532355 | 1.459605 |
| Seita.3G403300 | 0         | 48.059814 | 34.503971 | 0.058815  | 0         | 0.032803  | 13.781023 | 12.099024 | 48.8762 | 0         | 0        | 0        |
| Seita.3G409600 | 0.591417  | 0.573521  | 0.550465  | 6.022902  | 1.233859  | 5.685     | 0.421833  | 0.22639   | 0.9042  | 5.080178  | 2.596814 | 4.347894 |
| Seita.4G002600 | 15.457846 | 14.012863 | 8.217777  | 4.986777  | 5.449024  | 4.919458  | 12.687385 | 18.828516 | 15.4698 | 3.073096  | 6.828288 | 8.555635 |
| Seita.4G009800 | 0.365659  | 0.143098  | 0.103159  | 0         | 0         | 0         | 0.047445  | 0.171084  | 0.05245 | 0         | 0        | 0        |
| Seita.4G013300 | 0         | 0         | 0         | 0.83892   | 3.915591  | 0.742999  | 0         | 0         | 0.41284 | 13.250539 | 42.93282 | 18.30796 |
| Seita.4G025400 | 0         | 0.034116  | 0.023584  | 1.107819  | 0.884694  | 1.236321  | 0.096422  | 0         | 0       | 1.768718  | 3.52376  | 0.640042 |
| Seita.4G041200 | 28.850207 | 15.424626 | 12.094198 | 7.253167  | 5.222979  | 1.261424  | 35.422659 | 20.660225 | 19.2937 | 6.083122  | 7.827991 | 1.197313 |
| Seita.4G046300 | 46.608994 | 57.468178 | 32.379784 | 7.383676  | 8.081256  | 6.189294  | 40.363491 | 44.806221 | 30.1382 | 5.892552  | 7.996425 | 7.229043 |
| Seita.4G047500 | 0         | 0         | 0         | 2.595129  | 1.872691  | 6.706154  | 0         | 0         | 0       | 4.355697  | 3.60799  | 6.621578 |
| Seita.4G048000 | 4.056838  | 7.010336  | 13.81997  | 2.876225  | 3.195329  | 2.186912  | 11.171062 | 9.660917  | 6.93138 | 2.058401  | 2.824018 | 2.83106  |
| Seita.4G048700 | 7.824492  | 14.111842 | 12.101233 | 4.489922  | 3.516265  | 3.841918  | 12.584585 | 22.649437 | 12.0926 | 2.408966  | 2.40814  | 4.121269 |
| Seita.4G056300 | 0.051346  | 0.044381  | 0.284421  | 1.641868  | 3.446188  | 1.625824  | 1.611616  | 0.721824  | 1.04044 | 2.006577  | 5.879057 | 2.888376 |
| Seita.4G063600 | 0.071316  | 0         | 0         | 0.741978  | 1.008544  | 0.655574  | 0.04527   | 0         | 0.02878 | 0.632084  | 1.312074 | 1.166819 |
| Seita.4G064600 | 0         | 0.172087  | 0         | 1.978749  | 1.117165  | 1.677593  | 0         | 0         | 0       | 0.379085  | 1.262952 | 0.384675 |
| Seita.4G064700 | 0         | 0         | 0         | 1.21735   | 0.390031  | 1.194341  | 0         | 0         | 0.03202 | 0.945315  | 0.778816 | 0.527888 |
| Seita.4G067500 | 0         | 0         | 0         | 0.413274  | 0.50773   | 0.26015   | 0         | 0         | 0       | 0.478597  | 0.429246 | 0.198373 |
| Seita.4G071600 | 0.025491  | 0         | 0         | 0.701107  | 0.358419  | 0.287342  | 0         | 0         | 0       | 0.398335  | 0.399156 | 0.95227  |
| Seita.4G072700 | 0.151306  | 3.731571  | 1.787405  | 0.108666  | 0         | 0         | 3.672787  | 1.920277  | 1.16327 | 0         | 0        | 0        |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.4G075800 | 0         | 0         | 0.25122   | 5.77494   | 3.572701  | 6.915393  | 0.176547  | 0.93831   | 0.35967 | 7.467632  | 5.118984 | 6.366023 |
| Seita.4G091200 | 2.363698  | 2.884935  | 10.153934 | 1.337631  | 0.527581  | 1.415133  | 5.177674  | 4.418787  | 6.1014  | 0.599402  | 0.442375 | 0        |
| Seita.4G103200 | 0         | 0         | 0         | 2.264648  | 2.744363  | 1.489506  | 0         | 0.070292  | 0       | 5.862067  | 5.597991 | 4.307425 |
| Seita.4G108900 | 0.068022  | 0         | 0         | 0.755365  | 0.55112   | 0.800432  | 0.080242  | 0.086914  | 0       | 0.764199  | 0.639485 | 0.542163 |
| Seita.4G120200 | 9.055121  | 4.344179  | 3.215349  | 18.749684 | 13.755428 | 22.064114 | 7.235983  | 5.588615  | 6.84125 | 22.75304  | 28.43315 | 21.9846  |
| Seita.4G123200 | 0         | 0.010457  | 0         | 9.737467  | 9.525986  | 11.124014 | 0         | 0.026135  | 0       | 7.243647  | 10.49819 | 10.25035 |
| Seita.4G123400 | 0         | 0         | 0         | 9.105741  | 8.255969  | 9.272231  | 0         | 0         | 0       | 6.374785  | 8.054914 | 8.327441 |
| Seita.4G123600 | 0         | 0.2398    | 0.305815  | 9.266699  | 13.679255 | 20.587303 | 0.484277  | 0.523567  | 0.31946 | 13.718497 | 12.26575 | 16.0227  |
| Seita.4G123900 | 1.284427  | 1.833685  | 1.039226  | 13.115758 | 6.679636  | 5.033914  | 0.839784  | 0.863162  | 6.30089 | 27.393402 | 27.83061 | 28.12968 |
| Seita.4G126900 | 0         | 0         | 0         | 0.363531  | 1.610566  | 0.371151  | 0         | 0         | 0       | 2.225798  | 4.189055 | 3.73281  |
| Seita.4G127500 | 0.16883   | 0.019225  | 0         | 1.540528  | 2.15209   | 1.113893  | 0.017937  | 0.01441   | 0       | 2.007047  | 2.537097 | 2.020839 |
| Seita.4G132300 | 4.026411  | 0.898707  | 0.738232  | 0.084195  | 0         | 0         | 0.915332  | 1.505146  | 0.38209 | 0         | 0        | 0        |
| Seita.4G133800 | 7.051989  | 5.520381  | 6.481527  | 2.580155  | 2.108224  | 0.692118  | 7.441837  | 13.119296 | 8.37721 | 2.132465  | 1.860065 | 1.981684 |
| Seita.4G134300 | 2.228136  | 5.269908  | 10.51018  | 0         | 0         | 0         | 18.678181 | 7.119185  | 9.09182 | 0         | 0        | 0        |
| Seita.4G134500 | 0         | 0         | 0         | 32.610107 | 23.901304 | 34.898159 | 0         | 0         | 0       | 17.503696 | 22.33409 | 42.04013 |
| Seita.4G139700 | 31.922543 | 18.904064 | 45.688251 | 70.141525 | 91.702888 | 88.216003 | 201.30002 | 42.667862 | 29.3553 | 17.966595 | 15.7508  | 6.295327 |
| Seita.4G146200 | 1.03167   | 2.517911  | 1.163546  | 0.187652  | 0.164069  | 0.258519  | 0.786946  | 1.791676  | 1.72598 | 0         | 0.039926 | 0        |
| Seita.4G150300 | 0.88955   | 2.906127  | 2.760321  | 30.705856 | 26.644232 | 35.500019 | 2.838675  | 2.142725  | 1.13878 | 19.882835 | 22.93847 | 27.90488 |
| Seita.4G155500 | 6.051416  | 8.6854    | 8.22334   | 4.026283  | 1.177705  | 2.270613  | 3.837329  | 0.890858  | 1.80869 | 0.472088  | 0.542267 | 0.914454 |
| Seita.4G158200 | 0         | 0         | 0         | 4.469099  | 2.550829  | 4.259216  | 0.096965  | 0.171278  | 0       | 3.44744   | 4.46497  | 5.040227 |
| Seita.4G161700 | 3.251364  | 5.388862  | 9.945681  | 0         | 0         | 0         | 9.580705  | 12.944026 | 10.0155 | 0         | 0        | 0        |
| Seita.4G164400 | 884.21027 | 689.08325 | 1434.6025 | 424.35205 | 389.54346 | 268.80716 | 647.0191  | 793.26465 | 468.769 | 367.98908 | 228.2113 | 263.0458 |
| Seita.4G192600 | 9.049076  | 10.807905 | 4.490767  | 3.116905  | 1.222575  | 2.55518   | 0.268891  | 0.256022  | 0.44345 | 0.748746  | 0.809337 | 0.796779 |
| Seita.4G201400 | 6.922737  | 11.912044 | 11.612187 | 3.854512  | 2.313419  | 3.957443  | 12.638632 | 31.766916 | 8.49847 | 1.497267  | 2.259153 | 2.210708 |
| Seita.4G201500 | 3.509741  | 6.484269  | 4.871699  | 2.085465  | 1.898553  | 2.665834  | 6.134397  | 16.000235 | 3.50143 | 1.497805  | 1.752821 | 1.921563 |
| Seita.4G204200 | 0         | 0         | 0         | 1.792397  | 0         | 1.491915  | 0         | 0         | 0       | 1.02707   | 0.162525 | 1.276393 |
| Seita.4G207500 | 8.92837   | 9.732478  | 5.219454  | 10.785455 | 22.990597 | 22.234247 | 18.941387 | 5.307804  | 9.79403 | 39.530643 | 31.499   | 25.95364 |
| Seita.4G213400 | 0         | 0         | 0.087963  | 11.412341 | 10.586843 | 10.329665 | 0         | 0         | 0.01784 | 7.6436    | 7.121043 | 5.981645 |
| Seita.4G213500 | 0         | 0         | 0         | 4.586041  | 4.128784  | 3.07752   | 0         | 0         | 0       | 4.544694  | 2.396858 | 2.776354 |
| Seita.4G214400 | 0.768573  | 1.700139  | 1.622552  | 0.251126  | 0.19615   | 0.527514  | 0.71545   | 1.267164  | 0.37863 | 0         | 0        | 0.048439 |
| Seita.4G228900 | 0         | 0         | 0         | 0.098769  | 0.174614  | 0.09642   | 0         | 0         | 0       | 0.031132  | 0.156477 | 0.098721 |
| Seita.4G230600 | 4.127736  | 6.301982  | 2.159658  | 0.097671  | 0.045017  | 0.07857   | 7.889077  | 6.836714  | 2.79745 | 0.078014  | 0.01154  | 0.107933 |
| Seita.4G244200 | 0.040194  | 0         | 0         | 1.462162  | 3.056889  | 0.935997  | 0         | 0         | 0       | 1.593095  | 1.621588 | 1.354856 |
| Seita.4G250500 | 0.014225  | 0.004288  | 0.011443  | 0.113642  | 4.990662  | 3.740271  | 0         | 0         | 0       | 0         | 4.224058 | 2.842165 |
| Seita.4G254000 | 0.055054  | 0.13073   | 0.029571  | 23.243202 | 21.018646 | 21.12953  | 0         | 0         | 0.08386 | 20.500402 | 18.70251 | 21.64244 |
| Seita.4G264400 | 0.0444    | 0         | 0         | 0.596884  | 1.183105  | 1.745876  | 0         | 0         | 0       | 0.450606  | 0.579027 | 0.349503 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.4G264700 | 17.538105 | 76.339447 | 106.38667 | 24.634783 | 6.728826  | 11.003965 | 33.284084 | 20.538193 | 28.1939 | 1.78674   | 0.631093 | 1.950275 |
| Seita.4G265900 | 0         | 0         | 0         | 0.56368   | 2.308124  | 0.477776  | 0         | 0         | 0       | 9.478695  | 6.49277  | 9.656524 |
| Seita.4G269500 | 0         | 0         | 0         | 0         | 10.164744 | 8.621472  | 0         | 0         | 0       | 0         | 6.618349 | 11.69587 |
| Seita.4G272700 | 0         | 0         | 0         | 14.223378 | 20.523348 | 12.094482 | 0         | 0         | 0       | 18.012297 | 23.03732 | 22.46258 |
| Seita.4G272800 | 0         | 0         | 0         | 0.433189  | 0.15232   | 0.385369  | 0         | 0         | 0       | 1.82182   | 1.538315 | 2.753787 |
| Seita.4G273000 | 0.18157   | 0.065934  | 0.046278  | 72.012558 | 65.76899  | 51.398304 | 0.075024  | 0         | 0.03999 | 87.814095 | 113.1595 | 113.0509 |
| Seita.4G273200 | 0         | 0         | 0         | 2.863263  | 2.539294  | 1.964381  | 0         | 0.032541  | 0       | 2.662487  | 2.917265 | 4.706855 |
| Seita.4G281300 | 1.387959  | 0.825023  | 0.902024  | 0         | 0.062178  | 0.018002  | 0.491088  | 0.42452   | 0.76164 | 0         | 0        | 0        |
| Seita.4G288700 | 2.933301  | 1.614258  | 5.180153  | 14.31289  | 26.553204 | 17.081009 | 7.656616  | 25.67358  | 13.2162 | 45.638687 | 38.29098 | 42.0043  |
| Seita.5G000400 | 2.876285  | 3.04909   | 3.470048  | 0         | 0         | 0         | 2.995257  | 1.748901  | 1.63712 | 0         | 0        | 0        |
| Seita.5G001900 | 1.059291  | 2.064936  | 1.581406  | 0.636811  | 0.230569  | 0.248911  | 2.529946  | 1.862617  | 1.34252 | 0.460508  | 0.327456 | 0.448017 |
| Seita.5G004900 | 12.542334 | 6.236621  | 1.604622  | 2.134194  | 0.679882  | 0.945198  | 0.949001  | 1.627886  | 10.6755 | 31.224157 | 22.22842 | 27.05191 |
| Seita.5G006700 | 0.023735  | 0         | 0         | 11.961143 | 14.216762 | 11.984302 | 0.039229  | 0         | 0       | 11.935465 | 16.25299 | 11.50652 |
| Seita.5G008000 | 0.021918  | 0         | 0         | 2.355088  | 1.96491   | 1.620926  | 0.135668  | 0         | 0.07318 | 0.896164  | 1.093084 | 1.578696 |
| Seita.5G011800 | 35.33087  | 74.166549 | 23.33423  | 14.023423 | 13.690947 | 15.783727 | 42.039551 | 55.271452 | 11.8476 | 10.136691 | 14.19726 | 6.990842 |
| Seita.5G012100 | 19.879702 | 43.657899 | 18.331276 | 10.666213 | 8.857853  | 10.331369 | 35.758445 | 41.996063 | 14.7605 | 5.939476  | 9.349056 | 6.364447 |
| Seita.5G020600 | 6.845391  | 4.828887  | 5.044721  | 1.251267  | 1.858242  | 2.406643  | 3.703854  | 4.750312  | 3.40693 | 2.06683   | 1.856117 | 1.786025 |
| Seita.5G042500 | 0         | 6.369938  | 6.313269  | 0         | 0         | 0         | 13.839986 | 14.004351 | 4.62965 | 0         | 0        | 0        |
| Seita.5G045900 | 0.024042  | 0         | 0         | 1.503154  | 0.802231  | 0.99633   | 0         | 0         | 0       | 1.136961  | 2.05149  | 1.608094 |
| Seita.5G047200 | 0.028426  | 0.02511   | 0.047181  | 1.039946  | 6.369527  | 2.975775  | 0.263228  | 0.224768  | 0.18432 | 2.139457  | 2.597425 | 3.060067 |
| Seita.5G050200 | 0.064091  | 0.167304  | 0.02349   | 0.499002  | 0.488975  | 0.392571  | 0.082461  | 0.130913  | 0.11639 | 0.205259  | 0.332589 | 0.510604 |
| Seita.5G061700 | 0.408388  | 0.478075  | 0.591931  | 0         | 0         | 0         | 1.11482   | 0.718945  | 0.41336 | 0         | 0        | 0        |
| Seita.5G068400 | 0         | 0         | 0         | 0.342341  | 0.410151  | 0.153143  | 0         | 0         | 0       | 0.255392  | 0.666913 | 0.501108 |
| Seita.5G068500 | 0.377686  | 0         | 0         | 3.721691  | 2.546653  | 3.33534   | 0         | 0         | 0       | 2.982603  | 2.429405 | 3.445606 |
| Seita.5G068600 | 0.653882  | 0.227514  | 0.099452  | 45.90279  | 11.689491 | 27.100092 | 0         | 0         | 0.20094 | 66.886696 | 68.65376 | 73.46148 |
| Seita.5G074500 | 0.045092  | 0.062227  | 0.055968  | 3.050061  | 3.71409   | 2.924587  | 0         | 0         | 0       | 3.818809  | 4.19737  | 3.340701 |
| Seita.5G075400 | 2.571179  | 9.233807  | 19.957859 | 1.393172  | 1.114096  | 1.080968  | 8.945281  | 6.876768  | 13.4869 | 1.081035  | 1.217751 | 1.67096  |
| Seita.5G077500 | 5.38049   | 10.931968 | 8.533432  | 3.326288  | 3.6018    | 3.968752  | 19.667349 | 16.366333 | 10.3748 | 2.754573  | 3.006113 | 3.107933 |
| Seita.5G077600 | 0         | 0         | 0         | 9.433929  | 10.850102 | 12.589474 | 0         | 0         | 0       | 8.228168  | 9.549708 | 9.016873 |
| Seita.5G086200 | 0.473143  | 0.175467  | 0.185577  | 4.490251  | 3.533183  | 3.171381  | 4.167497  | 2.398672  | 1.29606 | 8.4007    | 6.37702  | 9.080113 |
| Seita.5G089300 | 2.163596  | 2.155935  | 1.653511  | 5.619945  | 9.80148   | 8.101733  | 1.909349  | 1.531454  | 1.9478  | 3.75403   | 5.881347 | 3.147385 |
| Seita.5G100300 | 0         | 1.391798  | 0.753855  | 0         | 0         | 0         | 1.008911  | 1.147949  | 0.44263 | 0         | 0        | 0        |
| Seita.5G103800 | 0         | 1.931396  | 2.788327  | 0.064711  | 0.026393  | 0         | 1.426677  | 1.469979  | 1.40413 | 0         | 0        | 0        |
| Seita.5G106800 | 1.458213  | 1.314525  | 2.365611  | 0.244044  | 0.386782  | 0.756008  | 1.960847  | 0.958171  | 0.77083 | 0.112754  | 0.059583 | 0.182967 |
| Seita.5G110600 | 422.60272 | 248.83736 | 16.194393 | 20.322973 | 8.229897  | 33.952591 | 24.376968 | 20.95001  | 14.7113 | 1.133266  | 2.482041 | 1.39467  |
| Seita.5G115800 | 2.935129  | 5.813715  | 0.505766  | 0.104711  | 0         | 0         | 5.115467  | 17.96781  | 1.30869 | 0.054144  | 0        | 0        |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.5G125100 | 1.026133  | 0.859071  | 0.911923  | 0         | 0         | 0         | 0.709602  | 0.459698  | 1.41045 | 0         | 0.055194 | 0        |
| Seita.5G126900 | 0.043407  | 0         | 0.132761  | 2.6662    | 3.591756  | 3.037602  | 0         | 0         | 0.19704 | 11.380488 | 10.21917 | 17.7966  |
| Seita.5G132300 | 6.937883  | 10.07609  | 5.65557   | 3.692258  | 3.614837  | 3.017823  | 6.224368  | 6.820996  | 4.53834 | 2.025641  | 3.746214 | 2.94526  |
| Seita.5G137400 | 3.453108  | 7.229502  | 17.66679  | 3.404377  | 2.475339  | 2.864152  | 3.647532  | 7.907311  | 17.9555 | 1.100551  | 0.643523 | 0.677866 |
| Seita.5G154400 | 3.050288  | 3.208473  | 2.297639  | 9.102927  | 9.996141  | 7.057182  | 1.420046  | 1.159072  | 4.51276 | 13.328354 | 15.1965  | 11.64771 |
| Seita.5G155800 | 4.413611  | 3.118728  | 4.10664   | 12.896973 | 32.193245 | 5.929789  | 47.120838 | 50.72411  | 30.1702 | 5.638099  | 15.17878 | 13.84272 |
| Seita.5G171400 | 3.94443   | 13.964458 | 18.621655 | 2.319008  | 3.072201  | 3.170904  | 14.732676 | 21.731085 | 13.5821 | 2.438248  | 2.935863 | 1.843056 |
| Seita.5G178400 | 3.604592  | 39.690693 | 14.100204 | 3.887823  | 2.136321  | 2.546849  | 12.148499 | 11.747108 | 41.8413 | 3.268873  | 4.810639 | 2.092268 |
| Seita.5G179500 | 1.125175  | 0.245742  | 0.59046   | 0         | 0         | 0         | 0.10824   | 0.556673  | 3.58512 | 0         | 0        | 0        |
| Seita.5G186500 | 0.723673  | 0.446225  | 0         | 9.64453   | 14.392723 | 13.625182 | 0         | 0.788279  | 0.39443 | 13.477536 | 16.47498 | 13.62137 |
| Seita.5G191300 | 0         | 0         | 0.051027  | 4.500396  | 4.444497  | 2.996963  | 0         | 0         | 0       | 3.93296   | 4.933773 | 2.409216 |
| Seita.5G191700 | 0         | 0.575754  | 0.689868  | 0         | 0         | 0         | 0.297811  | 0.081898  | 0.19427 | 0         | 0        | 0        |
| Seita.5G199100 | 1.333072  | 0.407279  | 0.77593   | 2.969254  | 1.84242   | 2.884186  | 0.859193  | 0.225217  | 0.37901 | 2.45675   | 2.685324 | 2.69595  |
| Seita.5G203800 | 0.171497  | 0.188937  | 0.312772  | 9.348055  | 0.149199  | 5.946407  | 0.193745  | 0.16585   | 0.23302 | 6.242246  | 0.042193 | 5.478961 |
| Seita.5G217400 | 0         | 0         | 0         | 3.058853  | 4.227136  | 4.922006  | 0         | 0         | 0       | 3.11538   | 4.848148 | 4.701518 |
| Seita.5G222300 | 0.033996  | 0         | 0.014179  | 9.513014  | 6.124509  | 5.549861  | 0         | 0         | 0       | 8.711894  | 3.523013 | 5.546024 |
| Seita.5G222400 | 0.722088  | 0.014954  | 0         | 17.497475 | 9.379423  | 9.003304  | 0         | 0         | 0       | 16.977655 | 8.01826  | 8.324063 |
| Seita.5G227600 | 0         | 10.002638 | 9.477437  | 0.114562  | 0.26452   | 0.446311  | 17.832962 | 17.119347 | 7.39735 | 0         | 0        | 0        |
| Seita.5G227700 | 0         | 16.656675 | 16.211357 | 0.078382  | 0.058418  | 0.352475  | 28.694983 | 32.631916 | 14.7195 | 0         | 0        | 0        |
| Seita.5G236800 | 5.891507  | 4.079635  | 8.378346  | 27.40276  | 37.418648 | 10.153283 | 17.982882 | 10.842925 | 17.1863 | 35.811695 | 33.11948 | 27.79303 |
| Seita.5G239100 | 6.644319  | 8.335845  | 8.817196  | 38.137035 | 29.191978 | 59.95784  | 9.789195  | 13.018888 | 16.0592 | 19.552254 | 27.15976 | 32.84735 |
| Seita.5G244100 | 7.180298  | 15.779961 | 6.113514  | 0         | 0         | 0         | 6.997514  | 10.747474 | 5.81688 | 0         | 0        | 0        |
| Seita.5G245300 | 1.249279  | 1.845239  | 2.267245  | 0.148887  | 0         | 0         | 4.673392  | 2.672601  | 3.62003 | 0.611854  | 0.30153  | 0.45622  |
| Seita.5G262800 | 0         | 0         | 0         | 0.880797  | 1.344007  | 1.071159  | 0         | 0         | 0       | 1.853312  | 2.44055  | 1.94983  |
| Seita.5G281300 | 0.081766  | 0         | 0         | 12.299314 | 2.452099  | 1.3051    | 0         | 0         | 0       | 7.765883  | 5.571229 | 4.045012 |
| Seita.5G287900 | 30.125969 | 55.718704 | 36.766903 | 191.05429 | 71.484741 | 77.797424 | 294.88742 | 183.9763  | 51.0943 | 30.452158 | 31.83732 | 28.99796 |
| Seita.5G289100 | 13.297329 | 2.230865  | 2.492124  | 0         | 0         | 0         | 1.667693  | 0.449325  | 0.84077 | 0         | 0        | 0        |
| Seita.5G292200 | 1.42683   | 1.09342   | 9.521506  | 0.191296  | 0.213771  | 0.405016  | 1.604335  | 1.208585  | 2.65924 | 0.066023  | 0.240986 | 0.135533 |
| Seita.5G302600 | 12.796255 | 6.987899  | 3.957762  | 17.385025 | 19.002558 | 25.486774 | 1.956582  | 4.254107  | 6.80442 | 21.993601 | 22.58901 | 21.24611 |
| Seita.5G312300 | 6.383375  | 10.593277 | 6.760322  | 3.248295  | 2.794997  | 1.936887  | 9.918779  | 17.18689  | 5.9184  | 3.166966  | 3.410282 | 4.15033  |
| Seita.5G328900 | 0         | 0         | 0         | 1.137043  | 1.184836  | 2.456304  | 0         | 0         | 0       | 0.384711  | 1.029526 | 1.273791 |
| Seita.5G377800 | 1.309804  | 0.535452  | 1.046113  | 0.067319  | 0.108422  | 0.023216  | 2.763826  | 0.807731  | 4.75808 | 0.218562  | 0.197471 | 0.027884 |
| Seita.5G378400 | 4.480588  | 4.567729  | 2.271898  | 1.742105  | 0.726263  | 1.593046  | 8.446549  | 9.18245   | 1.58755 | 0.154084  | 0        | 0        |
| Seita.5G400900 | 4.961456  | 11.917864 | 8.843409  | 3.227363  | 3.374288  | 2.411161  | 52.271236 | 10.839931 | 15.0463 | 1.224433  | 1.409095 | 3.046968 |
| Seita.5G401800 | 0         | 0         | 0         | 0.344319  | 0.636261  | 0.554185  | 0.090498  | 0         | 0       | 1.034484  | 0.637102 | 0.819916 |
| Seita.5G416400 | 0         | 0.051214  | 0         | 73.568291 | 51.725193 | 58.170059 | 0.061054  | 0         | 0       | 62.492767 | 62.92937 | 81.84146 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.5G416500 | 0.05292   | 0         | 0         | 27.395056 | 26.452242 | 32.697632 | 0         | 0         | 0       | 13.97448  | 17.31305 | 19.4521  |
| Seita.5G417300 | 0.058792  | 0.101723  | 0.080984  | 21.377403 | 17.692228 | 24.335505 | 0.181764  | 0         | 0.06385 | 9.268102  | 13.03712 | 13.85139 |
| Seita.5G417400 | 0.119998  | 0         | 0.105921  | 24.38615  | 20.133652 | 24.269367 | 0         | 0         | 0       | 20.948904 | 24.99161 | 28.91607 |
| Seita.5G417500 | 0.063058  | 0         | 0.053037  | 22.529831 | 16.387491 | 26.301069 | 0         | 0         | 0       | 8.187902  | 10.52965 | 14.38619 |
| Seita.5G423000 | 52.540829 | 12.934851 | 7.669232  | 3.801288  | 1.196669  | 5.312406  | 21.493206 | 19.224487 | 16.2948 | 1.000031  | 1.074456 | 0.981733 |
| Seita.5G432800 | 6.202413  | 5.884737  | 3.233633  | 0.658011  | 0         | 0.107679  | 0.543289  | 4.782775  | 5.12121 | 0.688187  | 0.771604 | 0.36033  |
| Seita.5G445800 | 1.344868  | 0.256073  | 0.505106  | 5.22561   | 7.332074  | 3.760258  | 0.575467  | 1.692343  | 0.40699 | 5.808699  | 6.636644 | 6.396255 |
| Seita.6G004900 | 0.280141  | 0         | 0         | 2.455868  | 1.903224  | 4.968071  | 0         | 0         | 0       | 2.641409  | 1.939695 | 3.901247 |
| Seita.6G007900 | 0         | 0.023487  | 0         | 6.833844  | 8.883214  | 8.772655  | 0.051013  | 0         | 0.08187 | 12.023825 | 14.5089  | 15.42633 |
| Seita.6G008700 | 0         | 0         | 0         | 0.474196  | 0.752306  | 0.055567  | 0         | 0         | 0       | 0.393198  | 0.144713 | 0.773318 |
| Seita.6G009700 | 7.41      | 3.594201  | 3.00728   | 12.46573  | 10.787061 | 15.978446 | 3.89515   | 3.799931  | 2.09002 | 6.65761   | 11.50528 | 11.88411 |
| Seita.6G009800 | 0.076438  | 0         | 0.155598  | 21.390131 | 1.823651  | 4.583981  | 0         | 0         | 0       | 27.900162 | 44.72681 | 26.66135 |
| Seita.6G009900 | 0         | 0         | 0         | 1.553351  | 4.070632  | 2.520502  | 0         | 0.0275    | 0       | 1.757984  | 1.553209 | 1.184124 |
| Seita.6G010000 | 0         | 0         | 0         | 0.925871  | 0.263095  | 0.701428  | 0         | 0         | 0       | 0.258915  | 0.097732 | 0.103226 |
| Seita.6G010100 | 0         | 0         | 0         | 12.919861 | 13.208859 | 10.116392 | 0         | 0         | 0.05581 | 8.202346  | 9.375836 | 12.95564 |
| Seita.6G010200 | 0         | 0         | 0         | 29.135141 | 34.120152 | 31.846113 | 0         | 0         | 0       | 24.080845 | 29.99684 | 30.43777 |
| Seita.6G010400 | 0         | 0         | 0         | 0.185329  | 0.15396   | 0.194051  | 0         | 0         | 0       | 0.345237  | 0.278076 | 0.540934 |
| Seita.6G014500 | 4.832411  | 3.486408  | 6.165393  | 26.69701  | 6.765556  | 16.367728 | 4.523691  | 3.795462  | 4.82449 | 26.145458 | 4.218735 | 19.81432 |
| Seita.6G014900 | 0.294756  | 0.451286  | 0.177429  | 2.723545  | 0.622376  | 2.23321   | 0.076011  | 0.512659  | 0.4232  | 1.71817   | 0.915405 | 2.903406 |
| Seita.6G015700 | 2.019369  | 3.981888  | 3.991737  | 1.261982  | 0.731592  | 1.445796  | 4.464749  | 5.419595  | 5.16248 | 1.196096  | 0.806053 | 1.815724 |
| Seita.6G021100 | 0         | 0         | 0.064128  | 1.820067  | 1.276522  | 1.592361  | 0.334661  | 0.091493  | 0.11937 | 1.421724  | 0.809245 | 0.497112 |
| Seita.6G023500 | 16.634121 | 30.973312 | 68.632965 | 6.314342  | 15.434059 | 4.584011  | 30.096775 | 31.610287 | 35.6612 | 5.571581  | 10.74371 | 4.391982 |
| Seita.6G023600 | 38.558105 | 68.549011 | 159.47769 | 9.206291  | 15.866809 | 6.021376  | 77.105042 | 85.482292 | 84.9449 | 7.638082  | 11.03081 | 5.754619 |
| Seita.6G032800 | 0.030342  | 0.022893  | 0         | 0.347335  | 0.328559  | 0.195119  | 0.189084  | 0.349054  | 0.18521 | 1.417077  | 0.996649 | 3.52879  |
| Seita.6G047600 | 16.778961 | 35.429115 | 25.315523 | 9.88667   | 12.868884 | 11.252663 | 69.118286 | 51.651093 | 28.4866 | 8.778043  | 10.0323  | 7.498855 |
| Seita.6G048800 | 0         | 4.41245   | 16.845936 | 0         | 0         | 0         | 0.621309  | 3.264509  | 25.5945 | 0         | 0        | 0        |
| Seita.6G053100 | 2.952074  | 1.284967  | 1.45028   | 0.25661   | 0.293014  | 0.235863  | 1.849195  | 1.432621  | 1.45665 | 0.50695   | 0.317181 | 0.730742 |
| Seita.6G060000 | 19.813213 | 60.811039 | 35.640556 | 10.863504 | 4.373472  | 7.579635  | 2.665912  | 1.413664  | 5.83049 | 1.203398  | 0.916516 | 0.705348 |
| Seita.6G064700 | 51.239609 | 77.826722 | 63.697317 | 4.187671  | 7.419697  | 3.171941  | 69.582226 | 98.87515  | 55.0048 | 3.082359  | 5.001372 | 6.30627  |
| Seita.6G072600 | 1.609573  | 2.50003   | 0.145265  | 0         | 0         | 0         | 4.165689  | 3.442296  | 0.43504 | 0         | 0        | 0        |
| Seita.6G090500 | 0.536692  | 0.754976  | 0.564927  | 1.60185   | 1.843938  | 1.891767  | 3.09757   | 2.605297  | 2.25822 | 1.05538   | 1.498052 | 1.220598 |
| Seita.6G093000 | 10.699691 | 7.221921  | 10.925825 | 0.055084  | 0.904072  | 0.137181  | 5.912901  | 1.308065  | 1.19098 | 0         | 0.097132 | 0.032236 |
| Seita.6G098300 | 4.134888  | 2.570566  | 1.012912  | 0.057386  | 0         | 0.08363   | 6.167075  | 0.393328  | 0.14193 | 0         | 0        | 0        |
| Seita.6G099600 | 0         | 0         | 0         | 11.239411 | 9.498441  | 9.431056  | 0         | 0         | 0       | 5.965079  | 9.598214 | 8.480279 |
| Seita.6G099700 | 0.092966  | 0         | 0         | 41.005985 | 38.65028  | 43.179722 | 0         | 0         | 0       | 24.886528 | 26.82066 | 41.36025 |
| Seita.6G107900 | 9.88455   | 14.846101 | 15.242627 | 0         | 0         | 0.157961  | 15.815219 | 25.920109 | 13.1426 | 0         | 0        | 0        |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.6G108200 | 45.734867 | 106.43061 | 41.401463 | 13.299994 | 12.407154 | 13.880881 | 66.937363 | 133.49027 | 37.995  | 10.264185 | 15.07468 | 15.86556 |
| Seita.6G110600 | 0         | 0         | 0         | 18.290167 | 13.944734 | 13.371192 | 0         | 0.018924  | 0       | 10.963114 | 19.60375 | 11.91605 |
| Seita.6G110900 | 0.021638  | 0.016533  | 0         | 2.763225  | 3.09076   | 2.91569   | 0         | 0         | 0       | 13.568601 | 14.51165 | 23.20404 |
| Seita.6G111100 | 0         | 0         | 0         | 3.884901  | 2.942268  | 4.856755  | 0         | 0         | 0       | 3.327174  | 4.252534 | 3.604788 |
| Seita.6G111200 | 0.111428  | 0.076071  | 0         | 7.435599  | 6.749941  | 9.034454  | 0.044808  | 0.213938  | 0       | 5.376102  | 8.166259 | 7.164751 |
| Seita.6G111300 | 0.02415   | 0         | 0         | 4.170556  | 7.077023  | 3.669451  | 0         | 0         | 0       | 20.512978 | 26.55883 | 39.67339 |
| Seita.6G111500 | 0         | 0         | 0         | 1.060403  | 2.242418  | 3.20957   | 0         | 0         | 0       | 3.071148  | 3.168226 | 5.228939 |
| Seita.6G111600 | 0         | 0.02529   | 0.047519  | 66.715202 | 63.750546 | 71.183182 | 0.018928  | 0.097019  | 0       | 41.415852 | 53.34364 | 56.51524 |
| Seita.6G115100 | 0         | 3.887955  | 1.280159  | 0         | 0         | 0         | 2.763918  | 3.756663  | 2.07985 | 0         | 0        | 0        |
| Seita.6G118100 | 0         | 0.041624  | 0.108225  | 105.30752 | 91.098228 | 103.73956 | 0.159121  | 0.173053  | 0       | 57.664265 | 70.69195 | 84.10498 |
| Seita.6G119300 | 0.419247  | 0.793376  | 0.194749  | 4.262425  | 2.784192  | 3.026066  | 0.835588  | 0.698374  | 0.89874 | 4.30195   | 6.010991 | 4.935696 |
| Seita.6G125300 | 0.354651  | 0.35118   | 0.176822  | 1.488259  | 2.758611  | 2.271622  | 0.666531  | 0.574784  | 0.2588  | 1.554493  | 3.037951 | 1.049301 |
| Seita.6G127700 | 0         | 0         | 0         | 4.564548  | 3.520313  | 12.605529 | 0         | 0.019252  | 0       | 2.556807  | 4.788689 | 12.22954 |
| Seita.6G127900 | 0.020471  | 0.027248  | 0         | 1.795758  | 4.949596  | 3.093758  | 0         | 0         | 0       | 9.052283  | 7.972838 | 18.14248 |
| Seita.6G128200 | 0         | 0         | 0         | 0.288227  | 1.79372   | 0.253179  | 0         | 0         | 0       | 2.190768  | 2.323677 | 2.626846 |
| Seita.6G128300 | 0         | 0.025278  | 0         | 0.717953  | 2.083869  | 1.679388  | 0         | 0         | 0       | 4.063017  | 3.792273 | 11.973   |
| Seita.6G128500 | 0         | 0         | 0         | 2.842251  | 2.326772  | 4.194062  | 0         | 0.051133  | 0       | 3.116769  | 3.092236 | 3.905105 |
| Seita.6G131600 | 0         | 0         | 0         | 12.516822 | 7.17541   | 3.376259  | 0         | 0         | 0       | 6.266762  | 7.234401 | 1.080592 |
| Seita.6G150400 | 0.290668  | 1.485226  | 1.15848   | 0.115635  | 0.029612  | 0.221872  | 2.374297  | 1.52649   | 1.52548 | 0.591604  | 0.19651  | 0.506143 |
| Seita.6G151200 | 2.796986  | 2.716313  | 4.450141  | 6.991089  | 7.469162  | 7.603814  | 1.898951  | 3.029555  | 4.95506 | 9.816028  | 8.494815 | 7.726148 |
| Seita.6G153600 | 0         | 0         | 0         | 0.910129  | 0.368472  | 0.097508  | 0         | 0         | 0       | 1.238446  | 0.399957 | 0.224951 |
| Seita.6G155000 | 0         | 0         | 0         | 0.667519  | 0.379019  | 0.315555  | 0.025329  | 0         | 0       | 0.768707  | 0.867278 | 0.688933 |
| Seita.6G155500 | 0         | 0         | 0.035307  | 3.431486  | 3.818911  | 2.678669  | 0.057954  | 0.016336  | 0.04996 | 4.562764  | 5.357917 | 1.895161 |
| Seita.6G166100 | 0.372032  | 3.83437   | 0.127788  | 0.041531  | 0.180347  | 0.08905   | 0.72033   | 0.527411  | 0.29567 | 0.203286  | 0.096763 | 0.080407 |
| Seita.6G166400 | 0.222919  | 0.393594  | 1.266635  | 4.658003  | 7.081502  | 6.275256  | 4.374957  | 2.23279   | 2.12905 | 12.005324 | 8.469995 | 14.198   |
| Seita.6G167200 | 0         | 0         | 0         | 1.087685  | 0.963239  | 0.244567  | 0         | 0         | 0       | 0.756773  | 1.436285 | 0.558113 |
| Seita.6G172200 | 0         | 0         | 0         | 0.779587  | 0.995176  | 0.4588    | 0         | 0         | 0       | 0.467952  | 0.60717  | 0.128287 |
| Seita.6G175300 | 0         | 0.121714  | 0.094249  | 1.501044  | 1.619046  | 1.688069  | 0.732604  | 0.186518  | 0.30631 | 1.270242  | 1.68292  | 1.62016  |
| Seita.6G193000 | 0.281947  | 0.323813  | 0.688283  | 0.032017  | 0.023842  | 0.03827   | 0.243363  | 0.261357  | 0.81393 | 0.039318  | 0.016285 | 0.014451 |
| Seita.6G196000 | 0         | 0         | 0         | 0         | 46.035316 | 29.749493 | 0         | 0.022895  | 0       | 0.044313  | 40.58342 | 21.70401 |
| Seita.6G209300 | 0.76971   | 3.273926  | 1.533268  | 0.052645  | 0         | 0         | 0.380522  | 0.022607  | 1.91325 | 0         | 0        | 0.027004 |
| Seita.6G219400 | 0         | 0         | 0         | 2.178668  | 0.742697  | 1.277091  | 0         | 0         | 0       | 0.633013  | 1.018125 | 0.701979 |
| Seita.6G219600 | 0         | 0         | 0         | 1.22686   | 1.017298  | 1.019839  | 0         | 0         | 0       | 0.376714  | 0.467446 | 0.39097  |
| Seita.6G223600 | 10.962866 | 18.902794 | 6.787386  | 0.362889  | 0.850582  | 1.299961  | 6.569679  | 37.39835  | 5.13639 | 0.065561  | 1.394509 | 2.806079 |
| Seita.6G223700 | 0.147967  | 0.240266  | 0.184933  | 0.409407  | 0.738727  | 0.849896  | 0.035211  | 0.176746  | 0.02119 | 0.833115  | 0.986092 | 1.256393 |
| Seita.6G223800 | 0.399739  | 0.363622  | 0.155197  | 1.998352  | 2.448482  | 3.745753  | 0.023938  | 0.29256   | 0.07629 | 1.937548  | 2.627407 | 4.449118 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.6G229400 | 0.158084  | 0.549208  | 0.14981   | 0         | 0         | 0         | 0.448     | 0.712534  | 0.46152 | 0         | 0        | 0        |
| Seita.6G237000 | 0.045909  | 0.064015  | 0.054636  | 0.270107  | 0.393335  | 0.146529  | 2.85444   | 1.922129  | 0.3692  | 0.39126   | 0.372354 | 0.202844 |
| Seita.6G239200 | 1.595546  | 3.562224  | 2.445183  | 1.022701  | 1.05071   | 0.815159  | 1.953224  | 2.408501  | 2.74351 | 1.009341  | 0.820138 | 1.209727 |
| Seita.6G243000 | 0.606077  | 1.087693  | 2.051485  | 0         | 0         | 0         | 2.402984  | 3.534991  | 4.25016 | 0         | 0.349371 | 0        |
| Seita.6G249700 | 10.468012 | 25.327324 | 27.636299 | 97.821709 | 100.27354 | 112.38342 | 33.103485 | 38.191544 | 24.0753 | 89.012978 | 87.46386 | 103.9434 |
| Seita.6G249800 | 2.149688  | 0.631393  | 0.605327  | 14.682788 | 26.328823 | 10.981974 | 1.807721  | 2.313941  | 0.3145  | 21.191389 | 21.14124 | 22.78995 |
| Seita.6G249900 | 0         | 0         | 0         | 0.496122  | 0.623255  | 0.602815  | 0         | 0         | 0       | 0.507147  | 0.496756 | 0.456069 |
| Seita.6G256000 | 2.088535  | 1.873979  | 0.614977  | 9.796467  | 12.977123 | 9.515012  | 2.529977  | 5.423356  | 6.79078 | 14.509685 | 15.02102 | 13.46685 |
| Seita.6G256100 | 0         | 0.048557  | 0         | 4.918645  | 6.11871   | 3.496616  | 0         | 0         | 0       | 5.819973  | 5.036686 | 8.704106 |
| Seita.7G005800 | 0.390251  | 0.147773  | 0.272809  | 0.68887   | 2.696991  | 0.613799  | 0.334854  | 0.463894  | 0.55915 | 5.649434  | 6.698613 | 5.283745 |
| Seita.7G006500 | 0.314842  | 0.074716  | 0.354797  | 0.715527  | 3.839767  | 0.500029  | 0.549764  | 0.754003  | 0.56672 | 5.994416  | 7.804137 | 4.73805  |
| Seita.7G009100 | 5.855709  | 2.665526  | 1.655726  | 0.766626  | 0.32078   | 1.010726  | 0         | 0         | 0       | 0.142378  | 0.01906  | 0.188571 |
| Seita.7G009200 | 169.51314 | 12.74338  | 1.840518  | 3.761063  | 2.970979  | 2.151707  | 17.908358 | 5.930734  | 7.19141 | 248.00996 | 202.3865 | 19.58158 |
| Seita.7G013300 | 0.02777   | 4.95926   | 2.940181  | 0.135894  | 0         | 0.069072  | 3.280772  | 0.555966  | 1.15974 | 0         | 0        | 0        |
| Seita.7G014000 | 7.440143  | 5.887554  | 9.710621  | 0.508197  | 0.361234  | 2.198865  | 8.460219  | 11.495307 | 13.8186 | 0.183108  | 0.589493 | 0.547957 |
| Seita.7G020000 | 0.025892  | 0.038034  | 0.118786  | 1.154606  | 1.304662  | 0.768568  | 0.042223  | 0.012213  | 0.02677 | 0.817311  | 1.223206 | 0.485205 |
| Seita.7G021000 | 0.409186  | 0.12149   | 0.296686  | 0.674395  | 3.955136  | 0.800778  | 0.372739  | 0.363051  | 0.5045  | 6.429568  | 9.649632 | 5.610695 |
| Seita.7G022500 | 0         | 0         | 0         | 1.783831  | 1.588739  | 1.683134  | 0         | 0         | 0       | 1.945248  | 1.468055 | 2.271537 |
| Seita.7G029900 | 0.715719  | 1.234152  | 0.404384  | 0         | 0         | 0         | 0.562843  | 1.019602  | 0.60331 | 0         | 0        | 0        |
| Seita.7G033800 | 24.095097 | 87.506348 | 36.110535 | 391.71417 | 130.95393 | 225.50981 | 85.186584 | 95.844025 | 11.846  | 7.794738  | 1.161124 | 0.94122  |
| Seita.7G034400 | 43.393291 | 69.076546 | 61.517941 | 198.99773 | 74.017746 | 325.13318 | 577.17871 | 447.43005 | 90.9657 | 16.551121 | 0.718603 | 8.050838 |
| Seita.7G039900 | 25.050232 | 16.071206 | 13.115828 | 5.452012  | 3.560304  | 7.680823  | 2.863691  | 1.876762  | 2.58983 | 0.097679  | 0.156936 | 0.010409 |
| Seita.7G041100 | 0         | 0         | 0         | 8.67308   | 6.705396  | 3.382258  | 0         | 0         | 0       | 1.24986   | 0.791093 | 0.678583 |
| Seita.7G041400 | 0         | 0         | 0         | 5.729714  | 3.546792  | 2.321009  | 0         | 0         | 0       | 0.582453  | 0.399135 | 0.618728 |
| Seita.7G043600 | 0.835715  | 1.931269  | 2.732631  | 0         | 0.016285  | 0         | 6.937454  | 3.192554  | 2.04187 | 0.010209  | 0        | 0        |
| Seita.7G043700 | 4.577938  | 5.504089  | 4.932082  | 0         | 0         | 0         | 11.893749 | 9.547734  | 5.76807 | 0         | 0        | 0        |
| Seita.7G044600 | 4.213572  | 4.360112  | 1.437105  | 0.672084  | 0.746408  | 1.509174  | 12.699094 | 12.626615 | 4.76851 | 1.161928  | 1.35734  | 0.880384 |
| Seita.7G049400 | 2.399415  | 4.108525  | 5.471916  | 1.141117  | 0.727593  | 0.976284  | 4.156973  | 4.437593  | 5.5599  | 1.06901   | 1.021591 | 2.168193 |
| Seita.7G050700 | 0.084188  | 0.099205  | 0.310765  | 0.489753  | 2.071478  | 0.567798  | 0.361223  | 0.216586  | 0.45853 | 2.189015  | 3.842394 | 2.336613 |
| Seita.7G051700 | 0         | 0         | 0         | 3.82162   | 0.563443  | 0.498006  | 0         | 0         | 0       | 2.203697  | 2.026193 | 4.213307 |
| Seita.7G052100 | 0.189257  | 2.102261  | 1.650749  | 0.028863  | 0         | 0         | 2.003145  | 3.225582  | 0.78494 | 0         | 0        | 0        |
| Seita.7G052900 | 7.169005  | 8.776105  | 5.010155  | 2.995492  | 3.02114   | 3.261854  | 13.458236 | 16.023514 | 6.43936 | 3.647982  | 3.999614 | 3.794069 |
| Seita.7G054200 | 1.726875  | 0.156963  | 0.107688  | 3.45334   | 5.411762  | 5.895867  | 1.875471  | 1.178469  | 0.86396 | 2.981596  | 4.24787  | 4.41195  |
| Seita.7G056900 | 0.246052  | 0.060184  | 0.268846  | 0         | 0         | 0         | 0.50551   | 0.109698  | 0.16777 | 0         | 0        | 0        |
| Seita.7G062200 | 0         | 1.162661  | 1.488566  | 0         | 0         | 0         | 2.180075  | 5.040656  | 3.90382 | 0         | 0        | 0        |
| Seita.7G083100 | 0.456939  | 0.018755  | 0.116395  | 0.481092  | 4.41564   | 0.838189  | 0.122457  | 0.172113  | 0.13382 | 3.249559  | 10.73487 | 3.554997 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.7G083300 | 0.268009  | 0.015782  | 0.073985  | 0.490508  | 4.753133  | 0.773415  | 0.118649  | 0.121667  | 0.27792 | 2.47534   | 12.66063 | 2.840806 |
| Seita.7G086000 | 1.73303   | 0.857239  | 1.23689   | 5.622705  | 5.78688   | 4.506432  | 1.847054  | 1.565349  | 0.82139 | 3.455438  | 4.58507  | 5.166045 |
| Seita.7G089600 | 0.317826  | 0.698324  | 0.499212  | 0         | 0         | 0         | 2.252277  | 2.321939  | 0.36997 | 0         | 0        | 0        |
| Seita.7G095600 | 0.041982  | 0.089349  | 0.013768  | 0.588165  | 0.520011  | 1.247461  | 0         | 0.032477  | 0.48109 | 1.800097  | 3.380234 | 4.208478 |
| Seita.7G105600 | 9.11353   | 8.483029  | 11.495299 | 1.509169  | 3.171205  | 2.355992  | 6.65106   | 8.78628   | 8.01311 | 2.405499  | 4.197946 | 2.816288 |
| Seita.7G128900 | 1.000172  | 0.356575  | 0.965602  | 2.485365  | 3.991406  | 3.11747   | 1.701878  | 1.289969  | 0.77886 | 5.985972  | 4.80414  | 4.661281 |
| Seita.7G138600 | 0.618347  | 1.136331  | 0.989161  | 0.00516   | 0.048265  | 0.017952  | 2.270784  | 1.179092  | 0.97892 | 0.015267  | 0.017704 | 0.057122 |
| Seita.7G150900 | 0         | 0.042292  | 0         | 1.594501  | 0.287322  | 1.088234  | 0         | 0         | 0       | 2.484104  | 1.626433 | 3.046378 |
| Seita.7G164500 | 0.877627  | 1.69414   | 1.034368  | 0.40728   | 0.185282  | 0.307981  | 2.838369  | 5.52024   | 6.26937 | 1.116368  | 0.557834 | 1.466974 |
| Seita.7G166600 | 0.872323  | 0.830167  | 1.035336  | 2.119425  | 2.355437  | 3.262538  | 1.031243  | 0.575302  | 0.61213 | 1.511927  | 2.558413 | 1.638287 |
| Seita.7G172700 | 1.539146  | 1.331386  | 0.214551  | 0.221815  | 0.107932  | 0.216772  | 0.134322  | 0.106238  | 0.19063 | 0.345246  | 0.445448 | 0.514627 |
| Seita.7G178100 | 7.512586  | 8.606194  | 5.331656  | 19.144119 | 27.277121 | 19.625523 | 8.472097  | 6.621152  | 5.79462 | 21.68774  | 18.03364 | 20.85648 |
| Seita.7G189000 | 0         | 0         | 0         | 0.146519  | 0.886085  | 0.383641  | 0         | 0.008296  | 0       | 0.639473  | 0.533427 | 0.521929 |
| Seita.7G191400 | 0.257019  | 0.250352  | 0.333134  | 0         | 0         | 0         | 0.683304  | 0.474501  | 0.28098 | 0         | 0        | 0        |
| Seita.7G208900 | 0.587322  | 1.197141  | 1.889927  | 8.465716  | 4.208382  | 8.456744  | 14.006232 | 4.880475  | 4.0682  | 0.198644  | 0        | 0.883639 |
| Seita.7G211800 | 0         | 0         | 0         | 0.940353  | 0.172767  | 0.608016  | 0         | 0.021832  | 0.02918 | 0.290431  | 0.527005 | 0.658826 |
| Seita.7G211900 | 6.811782  | 8.906154  | 12.293199 | 44.718071 | 41.605148 | 30.255846 | 16.263487 | 12.819302 | 10.7474 | 24.965868 | 34.38835 | 27.57404 |
| Seita.7G214200 | 1.177928  | 1.650394  | 2.267198  | 0         | 0         | 0         | 7.005069  | 4.148841  | 1.91597 | 0         | 0        | 0        |
| Seita.7G220400 | 6.394186  | 10.90568  | 14.341034 | 3.694677  | 3.668794  | 4.793183  | 16.931234 | 30.967829 | 14.1201 | 3.990154  | 3.885591 | 3.406188 |
| Seita.7G227100 | 2.28402   | 1.126002  | 1.274804  | 3.378756  | 3.317021  | 5.225404  | 2.231827  | 0.837886  | 1.38108 | 2.987461  | 3.709791 | 4.12039  |
| Seita.7G242800 | 14.761374 | 11.591296 | 12.256936 | 36.91716  | 51.064682 | 27.63422  | 20.502283 | 14.663125 | 28.1588 | 56.985481 | 57.62874 | 54.83249 |
| Seita.7G253000 | 4.809436  | 1.157084  | 1.150296  | 0.090707  | 0         | 0         | 2.335183  | 3.633063  | 2.06215 | 0.158895  | 0.052895 | 0        |
| Seita.7G262100 | 22.227262 | 62.073059 | 25.835966 | 15.16443  | 10.883136 | 13.249182 | 35.231594 | 32.476959 | 20.5173 | 9.409717  | 10.17011 | 9.664231 |
| Seita.7G263300 | 0         | 0         | 0         | 5.369808  | 4.312127  | 4.429623  | 0         | 0         | 0       | 3.864658  | 3.616295 | 3.862368 |
| Seita.7G274800 | 11.435234 | 15.739841 | 8.113401  | 18.34631  | 35.312172 | 32.450981 | 11.565136 | 14.167283 | 8.00026 | 44.052559 | 28.92421 | 26.74153 |
| Seita.7G276300 | 2.66741   | 0.523536  | 0.789974  | 0         | 0.078035  | 0.094172  | 0.794627  | 1.25332   | 2.14675 | 0         | 0.076809 | 0.070213 |
| Seita.7G288800 | 0.148719  | 0.794557  | 0.448173  | 3.400715  | 4.159277  | 1.177361  | 0.134576  | 0.59432   | 0.23133 | 3.638638  | 5.318148 | 2.369978 |
| Seita.7G289400 | 18.208624 | 23.929581 | 19.721077 | 90.990685 | 74.690712 | 53.946423 | 16.524639 | 26.005079 | 28.512  | 79.734764 | 95.44964 | 53.02342 |
| Seita.7G291100 | 0.016069  | 0.023762  | 0.08191   | 0.78493   | 0.27471   | 0.188998  | 0         | 0         | 0       | 0.263563  | 0.101544 | 0.28152  |
| Seita.7G295900 | 5.746873  | 3.022676  | 3.237864  | 0.590789  | 1.046561  | 1.218509  | 5.328382  | 3.315047  | 1.55695 | 0.803308  | 1.09625  | 0.864579 |
| Seita.7G306300 | 16.366835 | 9.12842   | 34.800423 | 92.366333 | 134.7532  | 65.719177 | 18.970968 | 40.130276 | 39.8633 | 165.57523 | 141.4786 | 118.8433 |
| Seita.7G310300 | 0         | 0         | 0.068586  | 0.598203  | 0.78911   | 0.657612  | 0         | 0         | 0       | 0.71813   | 0.776767 | 0.500753 |
| Seita.7G312800 | 0.19324   | 0.332483  | 0.239039  | 1.778133  | 2.810312  | 1.195146  | 0.799046  | 0.73324   | 1.50608 | 3.452669  | 2.85421  | 3.210528 |
| Seita.7G313400 | 11.241316 | 14.584785 | 7.368197  | 0         | 0         | 0         | 4.30664   | 4.107227  | 4.10659 | 0         | 0        | 0        |
| Seita.7G313500 | 19.421179 | 28.699244 | 22.554682 | 0.074571  | 0.088456  | 0.149996  | 50.355457 | 54.514729 | 29.5069 | 0.152543  | 0.159888 | 0.068932 |
| Seita.7G316300 | 7.098166  | 10.84859  | 9.017348  | 4.66218   | 3.459081  | 2.955691  | 5.671251  | 6.581015  | 9.313   | 2.403299  | 1.753418 | 2.400732 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.7G321800 | 1.167887  | 3.315096  | 3.110611  | 0.41669   | 0.232075  | 0.29375   | 3.495085  | 5.220016  | 2.43027 | 0.434802  | 0.252685 | 0.478634 |
| Seita.7G321900 | 1.563163  | 2.416382  | 2.046603  | 0.267418  | 0.327383  | 0.165373  | 2.650523  | 2.442698  | 1.53524 | 0.590158  | 0.196025 | 0.287999 |
| Seita.7G328300 | 0.07844   | 5.208191  | 5.722749  | 41.76218  | 29.466234 | 36.187916 | 5.456496  | 6.401644  | 5.47252 | 19.45569  | 25.10037 | 30.56452 |
| Seita.7G328400 | 1.212604  | 0.022859  | 0         | 8.606938  | 7.229609  | 9.085916  | 0.157021  | 0.169179  | 0       | 4.470861  | 5.464589 | 6.950707 |
| Seita.7G329900 | 0.033107  | 0         | 0         | 2.02771   | 0.010188  | 0.532868  | 0         | 0         | 0       | 0.553946  | 0.007193 | 0.413742 |
| Seita.7G330400 | 0         | 0         | 0         | 1.058366  | 6.442033  | 0.545755  | 0         | 0         | 0       | 0.849015  | 3.826524 | 0.529911 |
| Seita.7G331400 | 0.085614  | 0.197036  | 0.132248  | 0.803629  | 0.60152   | 2.380319  | 0.257275  | 0.210372  | 0.05421 | 0.978497  | 1.339689 | 2.556523 |
| Seita.7G333700 | 1.91996   | 4.21173   | 0.864334  | 15.801373 | 7.516402  | 12.510415 | 0.294776  | 0.414273  | 0.19146 | 13.590161 | 9.509937 | 11.84422 |
| Seita.7G333800 | 0         | 0         | 0         | 0.39051   | 0.527167  | 0.377801  | 0         | 0         | 0       | 0.361513  | 0.808405 | 0.48441  |
| Seita.8G003500 | 0.209092  | 0.210254  | 0.0582    | 51.976677 | 41.057461 | 31.693703 | 0         | 0.036708  | 0       | 27.252708 | 36.29286 | 14.2029  |
| Seita.8G003800 | 5.129461  | 5.31358   | 5.791066  | 16.095413 | 16.968229 | 14.085446 | 5.488349  | 4.192261  | 4.49868 | 9.609471  | 13.61391 | 9.768568 |
| Seita.8G008300 | 2.253858  | 2.91016   | 2.565554  | 33.860336 | 9.057214  | 6.405439  | 14.385877 | 4.653989  | 2.70436 | 1.338736  | 0.850708 | 1.553508 |
| Seita.8G015700 | 0.38283   | 0.429988  | 1.5747    | 0.110054  | 0.126647  | 0.189088  | 0.613122  | 0.894053  | 1.04312 | 0.133585  | 0.163499 | 0.113029 |
| Seita.8G020900 | 0         | 0         | 0         | 0.206057  | 0.236389  | 0.178122  | 0         | 0         | 0       | 0.061724  | 0.191667 | 0.054748 |
| Seita.8G023500 | 3.282162  | 0.397304  | 4.303707  | 76.047585 | 1.922295  | 11.688029 | 0         | 1.680663  | 0.84768 | 36.61417  | 0.35919  | 23.32902 |
| Seita.8G029300 | 0         | 1.48515   | 1.370448  | 0         | 0         | 0         | 2.36362   | 3.214611  | 2.31324 | 0         | 0        | 0        |
| Seita.8G029900 | 0.101045  | 0.166234  | 0.312435  | 0         | 0         | 0         | 1.541356  | 0.699876  | 0.57949 | 0         | 0        | 0        |
| Seita.8G049600 | 0         | 0         | 0         | 0.157683  | 0.079274  | 0.068586  | 0         | 0         | 0       | 0.069259  | 0.202881 | 0.034902 |
| Seita.8G049900 | 10.141446 | 8.541283  | 9.763522  | 1.802608  | 1.878273  | 1.275759  | 13.657724 | 9.823635  | 7.37152 | 1.849911  | 1.546108 | 1.271581 |
| Seita.8G050000 | 3.76811   | 11.973636 | 10.569489 | 2.77176   | 1.701749  | 3.049731  | 13.420832 | 17.140676 | 5.85058 | 0.753831  | 0.465146 | 0.183889 |
| Seita.8G050100 | 0.959679  | 0.26812   | 0.087689  | 0         | 0         | 0         | 0.292286  | 0.046784  | 0.2206  | 0         | 0        | 0        |
| Seita.8G050400 | 0         | 0         | 0         | 0.233575  | 0.204405  | 0.138894  | 0         | 0         | 0       | 0.21734   | 0.212473 | 0.169261 |
| Seita.8G052500 | 0         | 0         | 0         | 0.147233  | 0.589192  | 0.099597  | 0.088912  | 0.044004  | 0.35335 | 2.329573  | 6.625278 | 3.336966 |
| Seita.8G056900 | 0         | 0         | 0         | 3.50355   | 0.786819  | 3.575648  | 0         | 0         | 0       | 2.49861   | 2.156428 | 7.801136 |
| Seita.8G058900 | 10.915058 | 6.020017  | 7.456027  | 0         | 0         | 0         | 57.793718 | 51.768633 | 37.4003 | 0         | 0        | 0        |
| Seita.8G059000 | 1.140493  | 0.352933  | 0.890525  | 0         | 0         | 0         | 0.426726  | 0.520865  | 1.43851 | 0         | 0        | 0        |
| Seita.8G060000 | 2.094331  | 718.79877 | 467.59976 | 0         | 0         | 0.177361  | 175.07288 | 8.671461  | 180.152 | 0.75139   | 0.177902 | 0.288578 |
| Seita.8G063400 | 0         | 0         | 0         | 0.407554  | 1.671084  | 0.896005  | 0         | 0         | 0       | 2.11101   | 1.162315 | 2.129848 |
| Seita.8G068200 | 0         | 18.366564 | 18.542059 | 0         | 0         | 0.014358  | 23.56251  | 37.66161  | 16.9149 | 0         | 0        | 0        |
| Seita.8G069700 | 0         | 0         | 0         | 0.681521  | 0.301363  | 0.688461  | 0         | 0         | 0       | 1.205652  | 1.49297  | 0.663985 |
| Seita.8G069900 | 0         | 0         | 0         | 7.924415  | 7.129188  | 8.834822  | 0         | 0         | 0       | 4.41456   | 5.913249 | 5.40873  |
| Seita.8G073200 | 0         | 0         | 0         | 0.197409  | 0.142233  | 0.121914  | 0         | 0.039343  | 0       | 0.149446  | 0.241987 | 0.201096 |
| Seita.8G074700 | 0         | 0         | 0         | 0.154869  | 1.643697  | 0.068984  | 0         | 0         | 0       | 1.434295  | 1.844531 | 1.824259 |
| Seita.8G076500 | 0         | 0         | 0         | 0.219004  | 0.054032  | 0.242619  | 0         | 0         | 0       | 0.197278  | 0.321367 | 0.122867 |
| Seita.8G080000 | 0.015058  | 0         | 0         | 1.939996  | 1.358887  | 1.762544  | 0         | 0         | 0       | 1.25938   | 0.746005 | 0.434734 |
| Seita.8G084900 | 0         | 0         | 0         | 0.179675  | 0.167918  | 0.149087  | 0         | 0         | 0       | 0.092217  | 0.356266 | 0.14079  |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.8G088500 | 0         | 0         | 0         | 0.221685  | 0.180295  | 0.104936  | 0         | 0         | 0       | 0.129783  | 0.117092 | 0.061575 |
| Seita.8G090700 | 2.804044  | 0.522773  | 0.522433  | 13.068206 | 12.317307 | 12.752721 | 0.144673  | 0.20959   | 0.08518 | 18.540443 | 7.396661 | 13.21161 |
| Seita.8G092200 | 2.515913  | 1.823474  | 0.961728  | 5.23986   | 4.207641  | 5.623516  | 2.558115  | 2.463448  | 4.51626 | 5.319267  | 10.08024 | 8.115583 |
| Seita.8G093200 | 9.281487  | 22.074015 | 6.016041  | 1.066092  | 0.761544  | 0.302954  | 6.214225  | 0.493659  | 0.14525 | 0         | 0        | 0        |
| Seita.8G097300 | 0         | 53.925449 | 36.625336 | 0         | 0         | 0         | 39.297268 | 35.985756 | 36.9888 | 0         | 0        | 0        |
| Seita.8G115400 | 36.619278 | 74.471962 | 20.378721 | 2.785061  | 4.0405    | 4.95523   | 16.237818 | 54.4921   | 14.3879 | 4.747836  | 2.625952 | 0.945115 |
| Seita.8G119200 | 0         | 0         | 0         | 3.828361  | 0         | 3.198948  | 0         | 0         | 0       | 4.324812  | 0        | 3.426485 |
| Seita.8G121800 | 5.279052  | 4.560189  | 6.361608  | 51.31126  | 17.386093 | 7.363208  | 12.223425 | 13.898123 | 8.62954 | 5.851845  | 6.317004 | 4.792709 |
| Seita.8G123700 | 3.956499  | 5.330318  | 3.764612  | 1.767697  | 0.431154  | 1.541607  | 2.808414  | 2.245597  | 2.65392 | 0.237166  | 0.070602 | 0.196815 |
| Seita.8G123800 | 2.482799  | 2.795037  | 0.824822  | 0.446013  | 0.150124  | 0.46637   | 2.113365  | 0.740808  | 0.34055 | 0.021038  | 0.064121 | 0.09953  |
| Seita.8G127900 | 0         | 0         | 0         | 0.096902  | 0.124428  | 0.067706  | 0         | 0         | 0       | 0.111663  | 0.090052 | 0.193668 |
| Seita.8G128200 | 0.023992  | 0         | 0         | 0.874246  | 0.738743  | 0.592171  | 0         | 0         | 0       | 0.614367  | 0.397301 | 0.292974 |
| Seita.8G132500 | 0         | 0         | 0         | 2.953373  | 3.298531  | 4.446507  | 0         | 0         | 0       | 4.541582  | 5.490329 | 5.954003 |
| Seita.8G134200 | 12.024093 | 12.061176 | 14.203997 | 0.171928  | 0.089303  | 0         | 19.221127 | 19.193228 | 12.8515 | 0         | 0        | 0        |
| Seita.8G139600 | 1.542021  | 1.116591  | 0.181299  | 0         | 0         | 0         | 0.496452  | 0.029713  | 1.57305 | 0         | 0        | 0        |
| Seita.8G141300 | 0         | 0         | 0         | 18.998514 | 15.183069 | 15.197583 | 0         | 0.011007  | 0       | 13.649629 | 15.4768  | 12.68226 |
| Seita.8G141400 | 0         | 0         | 0         | 0.196776  | 0.274155  | 0.301887  | 0         | 0         | 0       | 0.20433   | 0.307886 | 0.127327 |
| Seita.8G146500 | 0         | 0         | 0         | 0.135061  | 0.421883  | 0.243414  | 0         | 0         | 0       | 0.943974  | 1.458422 | 1.585497 |
| Seita.8G159800 | 1.105247  | 0.159448  | 0.047313  | 3.665534  | 1.424586  | 7.646606  | 1.305131  | 1.143096  | 0.48007 | 7.565942  | 1.711103 | 11.30681 |
| Seita.8G166200 | 12.544402 | 14.236551 | 16.466236 | 0         | 0         | 0         | 28.646034 | 13.807358 | 15.3626 | 0         | 0        | 0        |
| Seita.8G173200 | 3.713614  | 0.184581  | 0.10011   | 67.032251 | 45.40204  | 79.36878  | 0.185899  | 0.215852  | 0.07465 | 69.874622 | 36.62034 | 67.93807 |
| Seita.8G175100 | 0.092891  | 0         | 0         | 7.181719  | 5.053988  | 4.802769  | 0         | 0         | 0       | 4.835606  | 4.516798 | 3.842247 |
| Seita.8G184300 | 0.131058  | 0.216456  | 0.627669  | 0         | 0         | 0         | 0.251225  | 0.253232  | 0.15333 | 0         | 0        | 0        |
| Seita.8G186100 | 7.055513  | 15.543316 | 48.709446 | 0         | 0         | 0         | 1.566038  | 0.790721  | 9.07286 | 0         | 0        | 0        |
| Seita.8G187800 | 0.717162  | 1.917765  | 1.611089  | 0         | 0         | 0         | 4.853966  | 2.415543  | 1.02494 | 0         | 0        | 0        |
| Seita.8G192200 | 2.395495  | 0.657491  | 0.998586  | 4.931669  | 20.275724 | 5.359242  | 1.191461  | 0.432719  | 0.88232 | 7.664384  | 13.94008 | 7.406971 |
| Seita.8G193500 | 0         | 0         | 0         | 1.657509  | 0.068799  | 0.690763  | 0         | 0         | 0       | 0.941383  | 0        | 0.71484  |
| Seita.8G194800 | 0         | 0         | 0         | 33.279926 | 0         | 4.604262  | 0         | 0         | 0       | 2.047159  | 0        | 0.085088 |
| Seita.8G199300 | 0.040585  | 0         | 0         | 5.554858  | 10.5752   | 8.8084    | 0.04214   | 0.044626  | 0       | 7.027242  | 13.7312  | 8.018206 |
| Seita.8G201000 | 10.048361 | 2.612731  | 7.093297  | 152.39275 | 46.106354 | 148.1621  | 8.538575  | 2.985482  | 5.60046 | 135.51693 | 38.42101 | 119.9771 |
| Seita.8G201800 | 1.184968  | 0.329625  | 0.358174  | 5.170866  | 11.652401 | 13.542099 | 0.812423  | 0.164201  | 0.7745  | 3.400335  | 12.11818 | 9.394517 |
| Seita.8G205500 | 0         | 0         | 0         | 0.603068  | 3.363058  | 0.22476   | 0         | 0         | 0       | 2.615815  | 7.607232 | 2.767122 |
| Seita.8G208400 | 0.055159  | 0.086672  | 0.096484  | 19.490196 | 12.820391 | 38.54702  | 0.362319  | 0.279543  | 0.08316 | 18.805922 | 13.05819 | 46.25111 |
| Seita.8G208700 | 0         | 0         | 0         | 3.315245  | 3.04634   | 3.803135  | 0         | 0         | 0       | 3.200448  | 3.606633 | 3.560356 |
| Seita.8G210000 | 2.724207  | 3.313715  | 3.829622  | 0.409909  | 0.091105  | 0.620869  | 0.419263  | 0.061187  | 3.20031 | 0         | 0        | 0        |
| Seita.8G211700 | 5.28605   | 22.45059  | 34.39278  | 4.193002  | 5.111349  | 0.804548  | 17.520918 | 8.07034   | 34.248  | 1.403842  | 6.593902 | 2.298258 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.8G212100 | 56.393173 | 64.561539 | 96.513535 | 21.043427 | 30.524097 | 5.688271  | 63.851028 | 42.169941 | 93.3255 | 19.54793  | 32.08574 | 15.07729 |
| Seita.8G215100 | 0.689975  | 0.402769  | 0.174856  | 0         | 0         | 0         | 0.268132  | 0.33036   | 2.71086 | 0.032925  | 0.092911 | 0.146089 |
| Seita.8G224400 | 0.085008  | 0         | 0         | 1.854915  | 1.06165   | 0.916711  | 0         | 0         | 0       | 0.291252  | 0.212166 | 0.825343 |
| Seita.8G226700 | 14.607913 | 7.382803  | 3.994238  | 39.275852 | 27.240669 | 32.4091   | 1.816272  | 0.42792   | 0.24488 | 4.356165  | 9.682741 | 6.14148  |
| Seita.8G229000 | 0.359331  | 0.071859  | 0.027421  | 1.980927  | 25.349512 | 8.185246  | 0.079009  | 0.059612  | 0       | 2.580885  | 13.18036 | 5.529819 |
| Seita.8G229100 | 0.2658    | 0.078342  | 0.046707  | 1.360118  | 7.964368  | 4.931317  | 0.095148  | 0.036735  | 0.06472 | 1.998225  | 4.729396 | 4.360218 |
| Seita.8G229200 | 0.179615  | 0         | 0.03319   | 1.193195  | 5.853157  | 4.178771  | 0.055914  | 0.043218  | 0       | 1.943948  | 2.06121  | 3.580199 |
| Seita.8G229300 | 1.372844  | 0.650521  | 0.714112  | 3.59987   | 3.213065  | 2.26553   | 1.115752  | 0.551487  | 1.13963 | 2.242194  | 2.636762 | 2.731939 |
| Seita.8G229800 | 0         | 0         | 0         | 0.656681  | 0.256451  | 0.439931  | 0         | 0         | 0       | 0.105421  | 0.677258 | 0.671049 |
| Seita.8G235000 | 0         | 84.901421 | 38.95129  | 0         | 0         | 0         | 0.599494  | 0.316993  | 0.20238 | 0         | 0        | 0        |
| Seita.8G235100 | 0         | 60.513563 | 19.07492  | 0         | 0         | 0.023469  | 2.290275  | 0.462359  | 0.39028 | 0         | 0        | 0        |
| Seita.8G235400 | 2.082461  | 19.11977  | 21.451639 | 0.133968  | 0         | 0         | 0.024175  | 0         | 0       | 0.289664  | 0.297833 | 0.635316 |
| Seita.8G236500 | 0         | 0.009422  | 0         | 4.483618  | 2.76687   | 1.872132  | 0.283266  | 0.055812  | 0.04132 | 1.816323  | 6.224065 | 2.694705 |
| Seita.8G240200 | 0         | 0         | 0         | 3.24813   | 1.568785  | 1.103608  | 0         | 0         | 0       | 0.605257  | 0.507461 | 0.374997 |
| Seita.8G240300 | 0.174503  | 0         | 0         | 10.174524 | 3.328444  | 2.292588  | 0         | 0         | 0       | 1.022403  | 0.476938 | 0.257235 |
| Seita.8G241000 | 0         | 0         | 0         | 1.03231   | 0.600473  | 1.189726  | 0         | 0         | 0       | 0.711036  | 1.188014 | 1.882064 |
| Seita.8G243600 | 0         | 0.135095  | 0         | 2.35544   | 1.403064  | 4.715234  | 0.163343  | 0         | 0.07553 | 1.360866  | 1.744648 | 2.008952 |
| Seita.8G244300 | 0.117233  | 3.535482  | 2.809443  | 0.318622  | 0.019286  | 0.284671  | 2.737467  | 3.077223  | 2.34684 | 0.23428   | 0        | 0.140686 |
| Seita.8G245300 | 0         | 0.010316  | 0         | 19.537981 | 7.307343  | 18.453459 | 0.039569  | 0         | 0       | 16.049587 | 7.679141 | 16.64205 |
| Seita.8G245400 | 0         | 0         | 0.038545  | 3.268188  | 2.332423  | 6.110302  | 0         | 0         | 0       | 2.241406  | 1.845374 | 3.489671 |
| Seita.8G245600 | 0.029923  | 0.047667  | 0         | 9.377109  | 4.271114  | 12.558404 | 0         | 0         | 0       | 8.072848  | 7.15934  | 13.54558 |
| Seita.8G245700 | 0.016088  | 0.024278  | 0         | 15.042227 | 5.146646  | 11.620478 | 0         | 0         | 0       | 10.248827 | 4.185897 | 11.28148 |
| Seita.8G246300 | 0         | 0.177524  | 0         | 18.200913 | 11.2259   | 25.910035 | 0.081236  | 0.094278  | 0.03343 | 22.451405 | 8.659056 | 25.01913 |
| Seita.8G246400 | 0         | 0         | 0         | 4.199803  | 1.57281   | 4.456447  | 0         | 0         | 0       | 5.28752   | 3.043507 | 4.79134  |
| Seita.8G246500 | 0.014627  | 0         | 0         | 17.345869 | 8.325629  | 18.07725  | 0         | 0         | 0       | 9.430069  | 6.076627 | 17.54845 |
| Seita.8G246600 | 0         | 0         | 0         | 10.166228 | 6.199881  | 11.864093 | 0         | 0         | 0       | 9.12953   | 6.140188 | 9.299344 |
| Seita.8G247800 | 0.181661  | 0.071326  | 0.117839  | 3.463007  | 0.557482  | 0.212621  | 0.395446  | 0.315558  | 0.06777 | 5.143198  | 4.012226 | 0.207755 |
| Seita.8G248700 | 0         | 4.188236  | 0.942241  | 0         | 0         | 0         | 0.722976  | 0.264312  | 0.24125 | 0         | 0        | 0        |
| Seita.8G249500 | 29.674461 | 22.30797  | 6.233834  | 5.841688  | 3.332031  | 6.007329  | 38.741989 | 16.661737 | 6.67451 | 2.213304  | 1.933417 | 1.527899 |
| Seita.9G000700 | 0         | 0         | 0         | 16.282804 | 17.806475 | 14.845496 | 0         | 0         | 0       | 16.057146 | 16.12774 | 14.56246 |
| Seita.9G000800 | 0         | 0         | 0         | 6.097687  | 7.178798  | 6.292133  | 0         | 0         | 0       | 5.812001  | 5.30489  | 5.96996  |
| Seita.9G013700 | 0.15274   | 0.138537  | 0.140667  | 1.856539  | 0.634105  | 0.407667  | 0         | 0.011288  | 0       | 0.34634   | 0.321206 | 0.636106 |
| Seita.9G014500 | 12.371501 | 5.926676  | 4.459607  | 0         | 0         | 0         | 21.860264 | 7.461778  | 9.41167 | 0         | 0        | 0        |
| Seita.9G015300 | 0         | 0.040095  | 0         | 0.265289  | 0.423146  | 0.381815  | 0.136769  | 0.052623  | 0.11257 | 0.593662  | 0.846639 | 0.518643 |
| Seita.9G015400 | 0.316831  | 0.268496  | 0.499172  | 1.059971  | 0.967816  | 0.768282  | 0.683466  | 0.506694  | 0.33931 | 0.973154  | 1.483609 | 1.178637 |
| Seita.9G015800 | 2.924383  | 2.381495  | 3.58587   | 9.22554   | 6.98844   | 9.668741  | 1.062816  | 1.818406  | 2.86113 | 7.554206  | 7.206655 | 10.59835 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.9G016000 | 0.495687  | 0.656983  | 0.687752  | 13.000165 | 10.077327 | 12.463405 | 1.27274   | 1.090262  | 1.17454 | 8.612033  | 8.330844 | 12.21882 |
| Seita.9G032000 | 7.249332  | 31.414679 | 29.786301 | 3.629299  | 4.169538  | 4.64712   | 36.875977 | 38.24818  | 24.8097 | 4.372805  | 3.506249 | 5.015303 |
| Seita.9G034000 | 9.251558  | 11.486831 | 3.736207  | 2.205938  | 0.8415    | 1.484252  | 1.869018  | 2.031111  | 3.27023 | 0.912752  | 0.501005 | 0.488633 |
| Seita.9G035400 | 1.464883  | 2.991734  | 1.581784  | 0.106187  | 0.387124  | 0.148196  | 4.562573  | 2.677207  | 4.12471 | 0.13728   | 0.0422   | 0.138423 |
| Seita.9G039800 | 0.02782   | 0         | 0         | 2.712412  | 4.641919  | 1.281317  | 0         | 0         | 0       | 5.675466  | 5.534756 | 1.801853 |
| Seita.9G040000 | 0.514423  | 0.049689  | 0.17128   | 54.893208 | 50.971542 | 55.132072 | 0         | 0         | 0.05084 | 68.980438 | 74.01102 | 68.24628 |
| Seita.9G040100 | 0         | 0         | 0         | 0.673926  | 0.732986  | 1.063958  | 0         | 0         | 0       | 0.788965  | 0.848073 | 0.556589 |
| Seita.9G047800 | 0.010717  | 0         | 0         | 8.048218  | 9.914757  | 9.926951  | 0         | 0         | 0       | 7.564138  | 10.21668 | 7.379184 |
| Seita.9G050500 | 1.886401  | 2.517508  | 1.280784  | 0.028239  | 0         | 0         | 3.501592  | 3.2182    | 1.73645 | 0         | 0        | 0.043511 |
| Seita.9G076200 | 0         | 0.145363  | 0.271051  | 1.243662  | 6.376866  | 0.388948  | 0.374262  | 0.232078  | 0.46754 | 8.621182  | 5.362329 | 8.482649 |
| Seita.9G095400 | 113.96524 | 7.035965  | 1.4223    | 2.500754  | 0.812238  | 0.126473  | 2.550398  | 1.343672  | 6.28906 | 68.555443 | 44.52782 | 5.288183 |
| Seita.9G102100 | 0.013958  | 0         | 0.018835  | 18.065744 | 2.456012  | 12.832674 | 0.038507  | 0         | 0       | 10.025817 | 1.893501 | 14.70414 |
| Seita.9G106600 | 2.163593  | 0.458814  | 0.886721  | 4.218071  | 4.518994  | 4.30739   | 1.000473  | 0.889598  | 0.4263  | 2.906273  | 4.926081 | 3.558558 |
| Seita.9G106700 | 10.907791 | 8.990532  | 9.5511    | 2.611181  | 5.536021  | 2.628193  | 23.923904 | 18.428392 | 21.0563 | 3.228471  | 6.396015 | 4.893295 |
| Seita.9G106800 | 0         | 0         | 0         | 2.034883  | 2.155876  | 2.323486  | 0         | 0         | 0       | 2.403556  | 2.500016 | 2.260001 |
| Seita.9G115500 | 130.63555 | 217.73475 | 154.11662 | 59.656403 | 45.561535 | 52.45383  | 291.3895  | 206.36629 | 108.002 | 67.830505 | 37.95279 | 49.63581 |
| Seita.9G122600 | 31.917837 | 38.277466 | 20.35449  | 13.726659 | 10.859837 | 12.308594 | 8.56324   | 2.061501  | 2.20988 | 0.51723   | 1.52156  | 0.434252 |
| Seita.9G125000 | 0.35383   | 1.4848    | 0.173649  | 3.953743  | 4.822753  | 5.52742   | 2.958091  | 1.884675  | 0.97959 | 6.344569  | 5.922102 | 6.115298 |
| Seita.9G132100 | 2.482928  | 3.454139  | 1.765929  | 10.19075  | 10.958538 | 8.496609  | 1.857715  | 1.95373   | 2.55732 | 10.675216 | 11.88565 | 8.435488 |
| Seita.9G136700 | 0         | 0.007654  | 0         | 0.629161  | 0.376736  | 0.583198  | 0         | 0         | 0       | 0.287474  | 0.545977 | 0.380733 |
| Seita.9G139900 | 1.863708  | 0.775268  | 1.481656  | 10.571321 | 4.858952  | 3.660962  | 1.548651  | 0.695328  | 2.31079 | 4.209821  | 4.733966 | 11.58594 |
| Seita.9G140000 | 0.180526  | 0.190286  | 2.904886  | 64.506967 | 69.020702 | 91.684504 | 0.467199  | 0.780666  | 3.53152 | 58.333463 | 43.763   | 70.19475 |
| Seita.9G142400 | 0         | 11.796188 | 9.531837  | 0.078381  | 0.058418  | 0.143038  | 15.350162 | 21.631489 | 10.0337 | 0         | 0        | 0        |
| Seita.9G151500 | 0         | 0         | 0.017469  | 0.984807  | 0.536936  | 0.717372  | 0         | 0         | 0       | 0.277974  | 0.418009 | 0.340433 |
| Seita.9G156800 | 0.033041  | 0         | 0.00786   | 8.417148  | 10.147628 | 12.673175 | 0         | 0         | 0       | 8.993224  | 3.813651 | 10.72925 |
| Seita.9G160000 | 0         | 0         | 0         | 1.685095  | 1.310614  | 0.978126  | 0         | 0         | 0.20453 | 5.363409  | 10.60607 | 5.864581 |
| Seita.9G162100 | 0         | 0         | 0         | 3.594116  | 3.530241  | 1.452298  | 0         | 0.034508  | 0       | 7.090359  | 9.47913  | 7.640457 |
| Seita.9G163400 | 0.146455  | 0.595996  | 1.178666  | 8.862893  | 3.325496  | 3.464151  | 0.41594   | 0.897072  | 0.99738 | 4.775226  | 5.437636 | 4.553611 |
| Seita.9G166200 | 0         | 0         | 0         | 0.562651  | 0.480676  | 0.572509  | 0         | 0         | 0       | 0.64361   | 0.612487 | 0.301569 |
| Seita.9G179700 | 1.025148  | 0.298032  | 0.388537  | 2.993703  | 2.328618  | 2.069278  | 0         | 0         | 0       | 3.131343  | 3.658998 | 3.529572 |
| Seita.9G181400 | 0         | 0         | 0         | 4.122734  | 4.142716  | 2.000327  | 0         | 0         | 0       | 3.045742  | 4.123929 | 2.950249 |
| Seita.9G182400 | 1.998081  | 1.944455  | 1.363235  | 0.3318    | 0.153232  | 0.211992  | 1.431538  | 0.018028  | 0.144   | 0         | 0        | 0        |
| Seita.9G189700 | 0.415986  | 0.352301  | 0.279638  | 1.375201  | 2.516626  | 0.516998  | 0.420958  | 0.183073  | 0.44011 | 2.357735  | 2.081009 | 0.641444 |
| Seita.9G198500 | 0.509341  | 0.314647  | 0.56949   | 9.505074  | 13.193706 | 12.453065 | 0.864991  | 0.773175  | 1.11881 | 12.378914 | 16.33657 | 13.34079 |
| Seita.9G232600 | 0         | 0.908303  | 1.152764  | 0         | 0         | 0         | 3.951887  | 2.020175  | 2.58647 | 0         | 0        | 0.025248 |
| Seita.9G239000 | 10.089165 | 11.494561 | 12.636869 | 1.997771  | 5.403479  | 2.340608  | 6.982306  | 14.066536 | 10.2167 | 0.520356  | 4.243692 | 1.199812 |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.9G239100 | 0.958109  | 2.986763  | 1.243337  | 0.107829  | 0.432596  | 0.47095   | 2.361871  | 4.581183  | 1.72838 | 0.112262  | 0.616508 | 0.267112 |
| Seita.9G239800 | 7.537775  | 4.362725  | 4.469845  | 9.469987  | 13.3946   | 11.136506 | 7.233503  | 7.110958  | 5.47231 | 12.620301 | 16.90776 | 13.16569 |
| Seita.9G244100 | 4.681473  | 7.329936  | 5.546872  | 2.099554  | 2.326074  | 1.588769  | 5.52026   | 5.56858   | 3.94512 | 1.514183  | 1.424407 | 1.013934 |
| Seita.9G244400 | 0.24429   | 0.312313  | 1.646934  | 0         | 0         | 0         | 0.28636   | 2.175611  | 0.87136 | 0         | 0        | 0        |
| Seita.9G244500 | 0.504695  | 0.252593  | 1.016041  | 0         | 0         | 0         | 0.634644  | 1.9518    | 1.84988 | 0         | 0        | 0        |
| Seita.9G253900 | 1.096812  | 1.183203  | 2.223608  | 0.647658  | 0.453694  | 0.667528  | 2.842935  | 1.776584  | 2.76569 | 0.740838  | 1.173415 | 0.913903 |
| Seita.9G255800 | 1.002116  | 2.201073  | 1.61484   | 0.060645  | 0.201619  | 0         | 8.085668  | 8.718897  | 3.23549 | 0.074476  | 0.513989 | 0.10949  |
| Seita.9G264300 | 0.028741  | 0.227289  | 0.509379  | 0         | 0         | 0         | 0.587016  | 0.638354  | 0.73613 | 0         | 0        | 0.082055 |
| Seita.9G264400 | 0.270641  | 0.958767  | 0.371989  | 0.02735   | 0         | 0.036583  | 1.51134   | 0.787983  | 1.08946 | 0.099583  | 0.03197  | 0.024689 |
| Seita.9G268500 | 0         | 0         | 0         | 0.976666  | 0.903153  | 1.752744  | 0         | 0         | 0       | 1.579077  | 1.398686 | 1.655387 |
| Seita.9G272400 | 0.374901  | 0.299474  | 0.275141  | 0.033081  | 0         | 0.017257  | 0.219402  | 0.485892  | 0.68952 | 0         | 0        | 0        |
| Seita.9G275000 | 0.224695  | 1.071922  | 1.192754  | 0         | 0         | 0         | 1.633429  | 0.561343  | 0.9535  | 0         | 0        | 0        |
| Seita.9G282800 | 9.430603  | 12.633123 | 0.433374  | 0.271162  | 0.067857  | 0.167971  | 0.615456  | 2.405236  | 0.08878 | 0.044761  | 0.185156 | 0.040717 |
| Seita.9G285500 | 1.625297  | 12.381269 | 13.624007 | 2.35023   | 1.990259  | 1.822036  | 7.640991  | 13.62353  | 9.56468 | 2.581923  | 1.504271 | 1.715351 |
| Seita.9G286300 | 0         | 0         | 0         | 6.947775  | 7.028691  | 7.304363  | 0         | 0         | 0       | 8.183961  | 8.264409 | 7.501947 |
| Seita.9G293900 | 0         | 10.396423 | 7.949638  | 0         | 0         | 0         | 7.488506  | 15.501604 | 8.26735 | 0         | 0        | 0        |
| Seita.9G296800 | 1.73419   | 1.924603  | 0.468259  | 0.33246   | 0.082526  | 0.345511  | 0.417238  | 0.111412  | 0.31122 | 0.020414  | 0        | 0.018757 |
| Seita.9G299500 | 5.805699  | 1.904952  | 1.065429  | 0.204225  | 0.248669  | 0         | 4.211695  | 2.995339  | 1.55699 | 0.381912  | 0        | 0.183182 |
| Seita.9G303500 | 0.324399  | 0         | 0         | 4.266546  | 4.583603  | 8.645189  | 0         | 0         | 0       | 4.869077  | 2.897102 | 5.196383 |
| Seita.9G306500 | 1.037927  | 0.65888   | 0.584623  | 1.458629  | 2.989892  | 2.700515  | 2.181475  | 2.725369  | 1.61138 | 5.565445  | 4.786458 | 4.367801 |
| Seita.9G319800 | 0         | 0         | 0         | 2.506755  | 4.442293  | 3.739502  | 0         | 0         | 0       | 6.416094  | 4.971391 | 20.24331 |
| Seita.9G323000 | 1.738259  | 0.040721  | 1.530556  | 0.043537  | 0         | 0         | 1.287138  | 0.533251  | 7.68478 | 0.27302   | 0.259134 | 0.274137 |
| Seita.9G325400 | 0.985948  | 1.353776  | 1.06593   | 2.505949  | 1.839307  | 3.916346  | 3.655016  | 2.359371  | 1.0778  | 0.844694  | 0.81296  | 0.848008 |
| Seita.9G330800 | 0.079676  | 0         | 0         | 148.42957 | 75.346336 | 105.15152 | 0         | 0         | 0.13261 | 103.7068  | 98.44637 | 150.5843 |
| Seita.9G330900 | 0         | 0         | 0         | 0.150046  | 0.185946  | 0.343683  | 0         | 0         | 0       | 0.206108  | 0.162371 | 0.225809 |
| Seita.9G331200 | 0.064527  | 0         | 0         | 28.2255   | 15.820508 | 18.132814 | 0         | 0         | 0.08136 | 22.023695 | 20.41529 | 31.01059 |
| Seita.9G331800 | 0.059354  | 0         | 0         | 98.860626 | 99.653496 | 104.64562 | 0.035629  | 0         | 0       | 75.889191 | 77.22244 | 94.79206 |
| Seita.9G331900 | 1.191363  | 1.720331  | 1.236763  | 33.345604 | 30.427141 | 38.941322 | 2.418057  | 1.65366   | 0.98014 | 23.297453 | 21.17222 | 27.34621 |
| Seita.9G332000 | 0         | 0         | 0         | 29.823372 | 4.001717  | 31.157669 | 0         | 0.055963  | 0       | 34.490421 | 3.261831 | 37.62029 |
| Seita.9G346400 | 0.290988  | 0.514284  | 0.14878   | 0.025042  | 0         | 0.023079  | 0         | 0         | 0       | 0.242768  | 0.059274 | 0.171169 |
| Seita.9G360100 | 3.028189  | 1.023288  | 0.697496  | 20.84439  | 20.783996 | 25.354205 | 0.67533   | 0.442482  | 0.60696 | 22.822547 | 29.80429 | 29.23146 |
| Seita.9G364000 | 0.620897  | 1.411359  | 0         | 136.87021 | 136.12808 | 214.31679 | 3.859529  | 2.531172  | 0       | 89.247803 | 97.99831 | 79.92998 |
| Seita.9G368900 | 7.539945  | 6.389843  | 4.538307  | 12.991739 | 9.50878   | 24.217197 | 16.252394 | 29.295557 | 4.79959 | 5.038002  | 4.782585 | 4.608937 |
| Seita.9G375700 | 10.320331 | 10.659149 | 8.522037  | 2.587059  | 3.179064  | 1.605308  | 2.459857  | 39.332874 | 11.3634 | 1.449328  | 4.411152 | 3.037739 |
| Seita.9G381700 | 20.671061 | 23.834236 | 30.022182 | 6.985694  | 9.598866  | 6.611886  | 5.991437  | 6.206459  | 13.4103 | 4.263669  | 2.229568 | 2.757763 |
| Seita.9G382300 | 5.666337  | 0.275689  | 3.179014  | 0         | 0         | 0         | 0.494174  | 0.496553  | 1.23298 | 0         | 0        | 0        |

|                |           |           |           |           |           |           |           |           |         |           |          |          |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| Seita.9G386400 | 0         | 0         | 0         | 0.378909  | 0.238044  | 0.620662  | 0         | 0         | 0       | 0.586935  | 0.552912 | 1.17805  |
| Seita.9G405100 | 0.374259  | 0.603874  | 0.653977  | 4.346513  | 4.304016  | 3.439015  | 3.257784  | 1.714901  | 0.62403 | 6.902085  | 7.363857 | 4.870499 |
| Seita.9G427000 | 0         | 0         | 0         | 2.263258  | 2.329327  | 3.516345  | 0         | 0         | 0.08621 | 3.522141  | 4.173931 | 4.237897 |
| Seita.9G458200 | 511.28153 | 78.877075 | 32.66925  | 34.252438 | 26.424192 | 19.276207 | 81.232437 | 54.457218 | 148.411 | 700.79627 | 609.714  | 111.7172 |
| Seita.9G477100 | 0         | 0         | 0         | 2.30771   | 0.944422  | 2.692915  | 0         | 0         | 0       | 1.293008  | 1.387848 | 1.075044 |
| Seita.9G477700 | 15.213763 | 7.67982   | 9.494115  | 22.418093 | 27.28088  | 22.572989 | 14.040402 | 11.338897 | 9.69209 | 25.101425 | 25.46238 | 23.42895 |
| Seita.9G484000 | 0.063876  | 0         | 0.007339  | 1.801507  | 3.30443   | 1.364705  | 0         | 0         | 0.09353 | 2.724207  | 2.078355 | 1.052838 |
| Seita.9G484600 | 13.895256 | 45.316948 | 28.673828 | 3.473628  | 1.360504  | 2.037236  | 28.966412 | 41.471405 | 20.5968 | 2.913154  | 1.018706 | 1.14032  |
| Seita.9G489800 | 0         | 0         | 0         | 0.032924  | 0.071594  | 0.115527  | 0         | 0         | 0       | 0.079627  | 0.044657 | 0.129685 |
| Seita.9G492500 | 2.95807   | 1.40281   | 2.632574  | 4.767964  | 7.543171  | 4.932345  | 3.062707  | 1.717435  | 5.31992 | 9.567547  | 9.541578 | 7.886858 |
| Seita.9G501800 | 0         | 0.041447  | 0.028198  | 21.454216 | 27.436148 | 19.388012 | 0         | 0         | 0       | 20.564604 | 21.66177 | 23.51065 |
| Seita.9G529400 | 1.140024  | 0.445194  | 0.452772  | 1.681582  | 2.004123  | 2.584301  | 1.143136  | 1.811621  | 1.31922 | 2.628874  | 2.901693 | 3.899274 |
| Seita.9G551600 | 40.429048 | 29.76072  | 18.331048 | 71.589218 | 74.066103 | 82.967552 | 30.923214 | 28.031912 | 17.7402 | 64.318982 | 79.85834 | 68.8422  |
| Seita.9G556000 | 0         | 0         | 0         | 1.009659  | 0.961705  | 0.66755   | 0         | 0         | 0       | 0.587583  | 0.405598 | 0.93498  |
| Seita.9G565900 | 8.292637  | 3.959821  | 3.240193  | 0.477872  | 1.223275  | 0.816697  | 6.981327  | 7.137336  | 6.42229 | 0.066295  | 0.807298 | 0.657631 |
| Seita.9G566100 | 1.724129  | 4.401472  | 2.719542  | 122.36739 | 94.470535 | 114.13251 | 1.924951  | 1.946674  | 3.82444 | 86.317085 | 104.4127 | 118.7281 |
| Seita.9G566200 | 0.158018  | 0         | 0         | 57.874134 | 64.749283 | 76.085182 | 0.130002  | 0         | 0.11748 | 50.174042 | 64.31749 | 64.5584  |
| Seita.9G566400 | 1.174865  | 0.27828   | 0.494808  | 19.035284 | 29.789789 | 16.783083 | 0.509117  | 0.416764  | 0       | 14.240005 | 18.40554 | 21.85517 |
| Seita.9G574100 | 14.29953  | 22.627592 | 14.986173 | 8.241361  | 4.702513  | 8.00067   | 26.46406  | 34.902126 | 38.9475 | 8.884271  | 12.95817 | 11.87462 |
| Seita.9G575100 | 7.127923  | 4.354006  | 4.48032   | 0.042721  | 0.060992  | 0.161603  | 1.050113  | 0.730271  | 1.48505 | 0.053381  | 0.082275 | 0.25365  |
| Seita.9G576500 | 0.000047  | 0.000003  | 0         | 0.484801  | 0.614721  | 0.539483  | 0.005097  | 0.009682  | 2E-06   | 0.260948  | 0.515916 | 0.718679 |
| Seita.9G580800 | 4.808241  | 5.684614  | 3.872496  | 0         | 0         | 0         | 8.979189  | 7.327985  | 5.26607 | 0         | 0        | 0        |
| Seita.J023900  | 16.556204 | 12.252946 | 18.814392 | 0.646287  | 0.857543  | 1.148406  | 15.345242 | 25.261272 | 30.1835 | 2.372212  | 2.402048 | 2.396828 |
| Seita.J024000  | 0         | 0         | 0         | 0.70734   | 1.04257   | 1.399179  | 0         | 0         | 0       | 0.996213  | 0.934277 | 0.785016 |
| Seita.J024100  | 0         | 0         | 0         | 10.320219 | 10.486345 | 14.847464 | 0.024364  | 0         | 0       | 7.832468  | 10.06605 | 10.54129 |
| Seita.J024300  | 22.843166 | 52.938709 | 36.020332 | 0         | 0         | 0.090722  | 35.310097 | 25.667143 | 25.3068 | 0         | 0        | 0        |
| Seita.J024900  | 0.450207  | 0.296975  | 0.076964  | 1.049907  | 1.302417  | 1.045176  | 0.176134  | 0.211072  | 0.2287  | 1.186437  | 1.511696 | 1.461923 |
| Seita.J025400  | 0.119947  | 0         | 0.071596  | 4.517113  | 0.079703  | 2.899553  | 0.134757  | 0         | 0       | 2.182796  | 0.242662 | 2.2915   |
| Seita.J025700  | 0.164202  | 0.294188  | 0.537409  | 3.515614  | 4.055281  | 4.169555  | 0.751421  | 0.529381  | 0.39224 | 1.47328   | 2.182464 | 2.447037 |
| Seita.J027100  | 0         | 0         | 0         | 6.37282   | 11.971932 | 4.122003  | 0         | 0         | 0       | 9.395189  | 8.331493 | 14.64499 |
| Seita.J030700  | 0         | 0.011708  | 0         | 0.582973  | 0.391191  | 0.60895   | 0.023499  | 0.031018  | 0       | 0.466181  | 0.348413 | 0.364838 |
| Seita.J030800  | 0         | 0.023384  | 0         | 1.324849  | 0.717891  | 1.836149  | 0.023467  | 0.030975  | 0.05982 | 1.133618  | 0.68622  | 0.934949 |