Appendix S1. Comparison of number of loci developed from different NGS platforms.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Platform | No. of reads | No. of micro-satellites | No. of loci tested | No. of polymorphic loci | Reference |
| 454 | 204,362 | 66 | 25 | 8 | Sheedy et al., 2014 |
| 454 |  | 1115 | 37 | 8 | Shirk et al., 2013 |
| 454 |  | 1285 | 80 | 8 | Ley and Hardy, 2016 |
| 454 | 11,905 | 1522 | 21 | 9 | Oguri et al., 2013 |
| 454 | 398,286 | 282 | 38 | 10 | Flores et al., 2014 |
| 454 | 119,508 | 110 | 81 | 10 | Gajurel et al., 2013 |
| 454 | 23,720 | 574 | 10 | 10 | Kesselring et al., 2013 |
| 454 | 63,571 | 12,261 | 24 | 10 | Lassen et al., 2014 |
| 454 | 94,885 | 1895 | 24 | 10 | Nevill et al., 2013a |
| 454 | 20,472 | 2287 | 41 | 10 | Singh et al., 2014 |
| 454 | 90,164 | 526 | 61 | 10 | Wei et al., 2013 |
| 454 | 33,542 | 1158 | 44 | 10 | Li et al., 2015 |
| 454 |  | 6484 | 82 | 10 | García-López et al., 2015 |
| 454 |  | 10,895 | 47 | 11 | Bossu et al., 2014 |
| 454 | 22,386 | 1013 | 15 | 11 | Byers et al., 2014 |
| 454 |  | 635 | 79 | 11 | Donkpegan et al., 2015 |
| 454 | 126,393 | 4615 | 25 | 11 | Fatemi et al., 2013 |
| 454 | 244,259 | 322 | 23 | 11 | Grubisha et al., 2014a |
| 454 | 274,938 | 5860 | 32 | 11 | Nevill at al., 2013b |
| 454 | 128,720 | 118 | 46 | 11 | Zhuang et al., 2013 |
| 454 | 66,100 | 760 | 30 | 12 | Bessega et al., 2013 |
| 454 | 305,717 | 1191 | 48 | 12 | Chatwin et al., 2014 |
| 454 | 80,773 | 1277 | 48 | 12 | Van Etten et al., 2013 |
| 454 | 83,643 |  | 48 | 12 | Houliston et al., 2015 |
| 454 | 116,442 | 7503 | 42 | 12 | Matheny et al., 2013 |
| 454 | 108,806 | 95,671 | 28 | 12 | Stingemore et al., 2013 |
| 454 | 32,052 | 3010 | 54 | 12 | López-González et al., 2015 |
| 454 | 6607 | 617 | 78 | 12 | Morgan et al., 2016 |
| 454 | 27,006 | 2341 | 83 | 13 | Agudo et al., 2013 |
| 454 |  | 11,480 | 96 | 13 | Ahrens and James, 2014 |
| 454 | 30,497 | 423 | 23 | 13 | Ando et al., 2014 |
| 454 | 196,512 | 504 | 61 | 13 | Arroyo et al., 2013 |
| 454 | 86,058 | 136 | 80 | 13 | Maharramova et al., 2014 |
| 454 |  | 211 | 40 | 13 | Stojanova et al., 2013 |
| 454 | 14,207 | 376 | 68 | 13 | Piñeiro et al., 2015 |
| 454 |  | 1429 | 44 | 14 | Aguilar-Barajas et al., 2014 |
| 454 | 59,289 | 68 | 47 | 14 | Bell et al., 2013 |
| 454 | 56,545 | 1197 | 60 | 14 | Duwe et al., 2015 |
| 454 | 85,718 | 132 | 61 | 14 | Tõrra et al., 2014 |
| 454 | 233,260 | 478 | 16 | 14 | Werth et al., 2013 |
| 454 | 92,833 | 457 | 75 | 14 | DiLeo et al., 2015 |
| 454 | 63,851 | 2121 | 100 | 14 | Wang et al., 2015 |
| 454 | 38,453 | 106 | 50 | 14 | Müller et al., 2015 |
| 454 | 234,428 | 25,295 | 21 | 14 | Grusz and Pryer, 2015 |
| 454 |  | 4335 | 36 | 14 | Pinto-Carrasco et al., 2016 |
| 454 |  | 22,909 | 96 | 15 | Ahrens and James, 2013 |
| 454 | 534,620 | 7784 | 25 | 15 | Molinier et al., 2013 |
| 454 | 29,247 | 1109 | 78 | 15 | Qin et al., 2015 |
| 454 | 24,258 | 11,864 | 184 | 16 | van Dijk et al., 2014 |
| 454 | 34,992 | 996 | 36 | 16 | Kissling et al., 2013 |
| 454 | 70,602 | 2629 | 84 | 16 | Sakata et al., 2013 |
| 454 | 11,393 | 2175 | 48 | 16 | Xu et al., 2013 |
| 454 |  | 179 | 60 | 16 | Vít et al., 2015 |
| 454 |  | 3173 | 34 | 16 | Viruel et al., 2015 |
| 454 | 1,579,847 | 1067 | 240 | 16 | Anderson et al., 2016 |
| 454 |  | 4410 | 51 | 17 | Bijak et al., 2014 |
| 454 |  | 3454 | 252 | 17 | Delêtre et al., 2013 |
| 454 |  | 1852 | 32 | 17 | Mousset et al., 2015 |
| 454 | 233,260 | 1021 | 116 | 18 | Devkota et al., 2014 |
| 454 | 533,962 | 6329 | 58 | 18 | Nadyeina et al., 2014 |
| 454 | 11,238 | 413 | 73 | 18 | Varas et al., 2013 |
| 454 | 43,565 | 1371 | 35 | 18 | Moeller et al., 2015 |
| 454 | 112,363 | 972 | 67 | 19 | Sato et al., 2013 |
| 454 | 37,979 | 5765 | 67 | 19 | Könyves et al., 2016 |
| 454 | 149,204 | 11,049 | 128 | 20 | Lu et al., 2014 |
| 454 | 143,027 | 520 | 101 | 21 | Böckelmann et al., 2015 |
| 454 | 14,714 | 67 | 42 | 23 | Bozzi et al., 2015 |
| 454 | 33,290 | 201 | 32 | 23 | Guillemaud et al., 2015 |
| 454 | 97,565 | 2087 | 96 | 23 | Jin et al., 2015 |
| 454 |  | 380 | 30 | 25 | Bittencourt et al., 2015 |
| 454 | 15,243 | 533 | 63 | 25 | Otao et al., 2016 |
| 454 | 19,431; 21,136 | 630; 1386 | 26 | 26 | Belinchón et al., 2014 |
| 454 | 139,372 |  | 48 | 29 | Van Etten et al., 2014 |
| 454 | 221,198 | 3985 | 109 | 91 | Arroyo et al., 2016 |
| Illumina |  | 1322 | 100 | 6 | Li and Zhang, 2015 |
| Illumina |  |  | 40 | 9 | van der Meer et al., 2014 |
| Illumina | 116,184,152 | 35,558 | 56 | 9 | Zheng et al., 2015 |
| Illumina |  |  | 48 | 10 | Weremijewicz et al., 2016 |
| Illumina | 38,115,484 | 63 | 24 | 11 | Alors et al., 2014 |
| Illumina | 1,100,538 |  | 58 | 11 | Bentley et al., 2015 |
| Illumina | 13,660,000 | 6114 | 40 | 11 | Qiang et al., 2015 |
| Illumina | 6,391,132 | 721 | 63 | 11 | Nowell et al., 2015 |
| Illumina | 33,142,988 | 12,887 | 63 | 12 | Grubisha et al., 2014b |
| Illumina | 489,625 | 136,785 | 144 | 12 | Jennings et al., 2013 |
| Illumina | 245,099,904 |  | 48 | 12 | Nock et al., 2014 |
| Illumina | 5,000,000 | 1740 | 90 | 12 | Ricono et al., 2015 |
| Illumina | 2,700,000 | 484 | 48 | 12 | Prebble et al., 2015 |
| Illumina |  | 3000 | 46 | 12 | Morris et al., 2016 |
| Illumina | 136,000,000 | 71,203 | 42 | 13 | Ju et al., 2015 |
| Illumina | 18,332,564 | 4118 | 50 | 13 | Fuller et al., 2015 |
| Illumina | 5,000,000 | 1888 | 80 | 14 | Beck et al., 2014 |
| Illumina | 26,950,000 | 2069 | 102 | 14 | Fan et al., 2013 |
| Illumina | 14,888,028 | 4715 | 144 | 14 | Owusu et al., 2013 |
| Illumina |  | 1722 | 22 | 14 | Suárez-Montes et al., 2015 |
| Illumina | 472,566 | 7146 | 48 | 14 | Demenou et al., 2015 |
| Illumina | 14,550,000 | 3052 | 50 | 15 | Guo et al., 2013 |
| Illumina |  |  | 38 | 15 | Liu et al., 2014 |
| Illumina | 44,159,690 |  | 138 | 15 | Sakaguchi et al., 2015 |
| Illumina | 13,510,000 | 6524 | 30 | 15 | Xie et al., 2015 |
| Illumina |  |  | 152 | 16 | Hamstead et al., 2015 |
| Illumina | 17,537,200 | 63,531 | 74 | 18 | Cho et al., 2015 |
| Illumina | 5,000,000 | 5412 | 48 | 19 | Trapnell et al., 2015 |
| Illumina | 244,958 | 100 | 24 | 20 | Grande et al., 2013 |
| Illumina | 23,724,0000 |  | 58 | 22 | Sato et al., 2015 |
| Illumina | 3,506,048 | 845 | 71 | 23 | Thammina et al., 2014 |
| Illumina | 10,758,454 |  | 65 | 28 | Jin et al., 2016 |
| Illumina |  | 3999 | 55 | 30 | Wang et al., 2016 |
| Illumina |  | 13,483 | 62 | 37 | Salgado-Salazar et al., 2015 |
| Ion PGM | 285,231 | 16,622 | 29 | 7 | Durrant et al., 2015 |
| Ion PGM | 362,653 | 456 | 24 | 10 | Kameyama and Hirao, 2014 |
| Ion PGM | 2,060,314 | 7389 | 100 | 11 | Mochizuki et al., 2014 |
| Ion PGM | 2,700,000 | 12,000 | 38 | 11 | Anthony et al., 2016 |
| Ion PGM | 557,106 | 4909 | 58 | 12 | Saeki et al., 2015 |
| Ion PGM | 161,880 | 284 | 57 | 12 | Nakahama et al., 2016 |
| Ion PGM | 326,901 | 238 | 26 | 16 | Yamashita et al., 2016 |
| Ion PGM |  | 17,340 | 75 | 17 | Celik et al., 2015 |
| Pac Bio | 1590 | 421 | 30 | 13 | Wöhrmann et al., 2016 |
| Pac Bio | 178,122 | 795 | 62 | 24 | Wei and Dick, 2014 |

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