

Table 2 The statistics of reads mapped to reference genome with 12 samples

Sample name	Total reads	Total mapped reads	Sequencing with multiple alignment locations on the reference sequence	Uniquely mapped	Reads map to '+'	Reads map to '-'	Non-splice reads	Splice reads
YCKC_1	53 496 366	42 275 158 (79.02%)	1 380 914 (2.58%)	40 894 244 (76.44%)	20 402 015 (38.14%)	20 492 229 (38.31%)	26 439 293 (49.42%)	14 454 951 (27.02%)
YCKC_2	54 841 974	43 301 629 (78.96%)	1 430 968 (2.61%)	41 870 661 (76.35%)	20 889 254 (38.09%)	20 981 407 (38.26%)	26 950 063 (49.14%)	14 920 598 (27.21%)
YCKC_3	48 914 308	38 467 495 (78.64%)	1 260 778 (2.58%)	37 206 717 (76.07%)	18 564 975 (37.95%)	18 641 742 (38.11%)	23 879 568 (48.82%)	13 327 149 (27.25%)
YCKB_1	53 026 752	42 428 446 (80.01%)	1 408 804 (2.66%)	41 019 642 (77.36%)	20 491 260 (38.64%)	20 528 382 (38.71%)	26 253 367 (49.51%)	14 766 275 (27.85%)
YCKB_2	57 507 414	45 584 370 (79.27%)	1 508 788 (2.62%)	44 075 582 (76.64%)	22 012 155 (38.28%)	22 063 427 (38.37%)	28 247 874 (49.12%)	15 827 708 (27.52%)
YCKB_3	49 792 940	39 176 835 (78.68%)	1 311 058 (2.63%)	37 865 777 (76.05%)	18 918 727 (37.99%)	18 947 050 (38.05%)	24 314 757 (48.83%)	13 551 020 (27.21%)
YCGC_1	42 824 172	35 053 797 (81.86%)	1 088 840 (2.54%)	33 964 957 (79.31%)	16 961 278 (39.61%)	17 003 679 (39.71%)	21 961 476 (51.28%)	12 003 481 (28.03%)
YCGC_2	48 314 180	38 734 835 (80.17%)	1 205 215 (2.49%)	37 529 620 (77.68%)	18 718 263 (38.74%)	18 811 357 (38.94%)	24 042 651 (49.76%)	13 486 969 (27.92%)
YCGC_3	55 723 796	44 651 835 (80.13%)	1 415 224 (2.54%)	43 236 611 (77.59%)	21 561 025 (38.69%)	21 675 586 (38.9%)	27 976 975 (50.21%)	15 259 636 (27.38%)
YCGB_1	57 214 740	45 896 173 (80.22%)	1 437 532 (2.51%)	44 458 641 (77.7%)	22 177 725(38.76%)	22 280 916 (38.94%)	28 531 225 (49.87%)	15 927 416 (27.84%)
YCGB_2	51063032	40 859 664 (80.02%)	1 286 281 (2.52%)	39 573 383 (77.5%)	19 734 424 (38.65%)	19 838 959 (38.85%)	25 510 968 (49.96%)	14 062 415 (27.54%)
YCGB_3	49474026	39 633 817 (80.11%)	1 228 165 (2.48%)	38 405 652 (77.63%)	19 155 708 (38.72%)	19 249 944 (38.91%)	24 766 620 (50.06%)	13 639 032 (27.57%)