

Table S2. Mapping results of clean reads against the watermelon genomic sequence.

Sample	Total clean reads	Total mapped reads	Uniquely mapped reads	Multiple mapped reads	Reads Map to '+'	Reads Map to '-'
Ss 0 d1	60,135,846	56,834,433 (94.51%)	53,983,688 (89.77%)	2,850,745 (4.74%)	27,693,505 (46.05%)	26,212,572 (43.59%)
Ss 0 d2	94,287,940	88,472,482 (93.83%)	85,532,644 (90.71%)	2,939,838 (3.12%)	43,638,056 (46.28%)	42,427,828 (45.00%)
Ss 0 d3	87,238,846	82,838,489 (94.96%)	77,914,849 (89.31%)	4,923,640 (5.64%)	40,067,330 (45.93%)	36,258,363 (41.56%)
Ss1d1	80,816,562	77,851,494 (96.33%)	74,891,447 (92.67%)	2,960,047 (3.66%)	38,350,096 (47.45%)	36,996,614 (45.78%)
Ss 1 d2	107,927,390	98,335,454 (91.11%)	94,332,267 (87.40%)	4,003,187 (3.71%)	48,536,282 (44.97%)	47,251,234 (43.78%)
Ss 1 d3	85,492,450	83,953,487 (98.20%)	81,868,652 (95.76%)	2,084,835 (2.44%)	41,653,092 (48.72%)	41,226,467 (48.22%)
Ss 3 d1	60,235,438	51,844,465 (86.07%)	49,950,229 (82.92%)	1,894,236 (3.14%)	25,530,529 (42.38%)	24,811,407 (41.19%)
Ss3d2	91,986,586	85,051,325 (92.46%)	81,976,036 (89.12%)	3,075,289 (3.34%)	41,927,672 (45.58%)	41,191,418 (44.78%)
Ss 3 d3	87,677,322	72,449,523 (82.63%)	69,581,593 (79.36%)	2,867,930 (3.27%)	35,558,351 (40.56%)	34,696,539 (39.57%)
Rs 0 d1	71,660,068	68,794,178 (96.00%)	66,398,936 (92.66%)	2,395,242 (3.34%)	33,887,631 (47.29%)	32,969,407 (46.01%)
Rs 0 d2	90,814,534	88,790,395 (97.77%)	85,445,021 (94.09%)	3,345,374 (3.68%)	43,586,456 (48.00%)	42,259,796 (46.53%)
Rs 0 d3	84,730,414	82,957,690 (97.91%)	79,157,302 (93.42%)	3,800,388 (4.49%)	40,538,577 (47.84%)	38,503,415 (45.44%)
Rs 1 d1	81,853,174	73,116,803 (89.33%)	69,974,173 (85.49%)	3,142,630 (3.84%)	36,115,914 (44.12%)	35,219,484 (43.03%)
Rs 1 d2	88,364,464	84,420,471 (95.54%)	80,949,197 (91.61%)	3,471,274 (3.93%)	41,681,725 (47.17%)	40,585,015 (45.93%)
Rs 1 d3	97,685,432	92,826,847 (95.03%)	89,055,788 (91.17%)	3,771,059 (3.86%)	45,961,611 (47.05%)	45,244,313 (46.32%)
Rs 3 d1	90,926,602	67,161,568 (73.86%)	64,428,463 (70.86%)	2,733,105 (3.01%)	33,155,629 (36.46%)	32,439,722 (35.68%)
Rs 3 d2	74,357,780	67,071,468 (90.20%)	64,921,202 (87.31%)	2,150,266 (2.89%)	33,177,458 (44.62%)	32,635,814 (43.89%)
Rs 3 d3	51,232,488	46,539,685 (90.84%)	44,809,971 (87.46%)	1,729,714 (3.38%)	22,974,279 (44.84%)	22,397,577 (43.72%)