**Table 6** Homology search of the DArTseq markers close to the *Sh* gene at LG 2 against the MPOB *pisifera* genome assembly P5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Query Markers | Position on Integrated Map | Subject# | Subject Start | Subject End | % Identity | E-Value |
| D.13195 | 14.956 | p5\_co354336 | 1481 | 1549 | 100 | 1.00E-31 |
| D.11731 | 15.403 | p5\_sc00060 | 1247526 | 1247458 | 100 | 4.00E-31 |
| D.07554 | 15.549 | p5\_sc00060 | 1391164 | 1391230 | 98 | 1.00E-27 |
| D.06444 | 15.645 | p5\_co354336 | 1481 | 1548 | 97 | 3.00E-26 |
| D.18642 | 15.669 | p5\_sc00060 | 2622690 | 2622758 | 100 | 4.00E-31 |
| D.19581 | 15.825 | p5\_sc00060 | 1637564 | 1637632 | 98 | 9.00E-29 |
| D.17430 | 16.106 | p5\_sc00060 | 3182584 | 3182516 | 100 | 4.00E-31 |
| S.20683|53:C>T | 16.574 | p5\_sc00060 | 1162278 | 1162210 | 100 | 4.00E-31 |
| S.18695|31:T>A | 17.106 | p5\_sc00060 | 964795 | 964727 | 100 | 4.00E-31 |
| D.17026 | 17.844 | p5\_sc00060 | 689507 | 689575 | 100 | 4.00E-31 |
| S.04059|60:C>T | 18.19 | p5\_sc00060 | 931022 | 930954 | 100 | 4.00E-31 |
| D.09664 | 18.769 | p5\_sc00060 | 582349 | 582281 | 100 | 4.00E-31 |
| D.01380 | 18.813 | p5\_sc00060 | 647655 | 647715 | 98 | 9.00E-29 |
| D.17106 | 19.161 | p5\_sc00060 | 324907 | 324975 | 100 | 4.00E-31 |
| D.15798 | 19.338 | p5\_sc00060 | 609934 | 609999 | 98 | 6.00E-27 |
| D.03941 | 19.409 | p5\_sc00060 | 573996 | 574049 | 96 | 2.00E-17 |
| S.06735|57:G>A | 19.534 | p5\_sc00060 | 590712 | 590780 | 98 | 9.00E-29 |
| D.18579 | 19.645 | p5\_sc00060 | 414468 | 414524 | 100 | 5.00E-24 |
| D.15322 | 19.845 | p5\_sc00060 | 419717 | 419785 | 100 | 4.00E-31 |
| *Sh\** | 20.088 | p5\_sc00060 | 424856 | 425035 | 100 | 2.00E-92 |
| D.18844 | 20.486 | p5\_sc00060 | 224296 | 224232 | 100 | 9.00E-29 |
| S.22560|37:G>C | 20.92 | p5\_sc00263 | 623298 | 623365 | 98 | 4.00E-28 |
| D.09551 | 21.218 | p5\_sc00060 | 419720 | 419660 | 100 | 4.00E-31 |
| D.15745 | 24.333 | p5\_sc00263 | 472927 | 472862 | 96 | 1.00E-24 |
| D.07313 | 25.439 | p5\_sc00263 | 175755 | 175823 | 100 | 4.00E-31 |
| D.10370 | 25.84 | p5\_co859148 | 172 | 240 | 100 | 1.00E-31 |
| D.09886 | 27.646 | p5\_co661878 | 381 | 449 | 95 | 2.00E-24 |
| D.16672 | 27.923 | p5\_sc00051 | 3533842 | 3533774 | 100 | 4.00E-31 |

# Scaffolds (sc) or contigs (co) in MPOB *pisifera* genome assembly P5

\*Assuming that *Sh* is coincident with *SHELL* gene published by MPOB (Singh et al. 2013a) and the location shown is the exon 1 of *SHELL*.