**Table S3. Tag sequences**. Tag sequences (strand +) containing the 15 SNP that showed the greatest contribution to the differentiation between gene pools

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Contrib | Tag sequence | Gene | Localization |
| s9\_13978576 | 0.0628 | TGTGGCCTGGCCAA[T/C]GTAGTTTCAAGCTGAACCGGGACTGAGATTTTGGGAAGCTGGATGGCTG | PHAVU\_009G089900g | 3`UTR |
| s7\_5756712 | 0.0624 | CAGCAAGAACAGCATTAGATATCTACAGCATTGATA[A/T]ACTAATGTATCAGTATAACAACATCAA | PHAVU\_007G065000g | Intron |
| s7\_5831598 | 0.0624 | CAGCGGAATGAGGCAGGGTTACCTGGGATCGTAGTTGATCAATCTGCTCCATATACA[G/A]TTGAGC | PHAVU\_007G065500g | Intron |
| s9\_13780397 | 0.0617 | GAATTTATTTGAAATTAGAGAGATGAGAGGAGAGAAAAAAT[G/T]ACCATGGCGAGGACATGCGCTG | PHAVU\_009G088400g | Exon |
| s1\_6033703 | 0.0613 | TCCTTGTTAAGGTGCATGGGAGG[T/C]AATTCTTTCTCCACAACTAAGGAATAGTGACCTTCAGCTG | PHAVU\_001G052900g | Exon |
| s8\_4499339 | 0.0611 | CTGC[A/C]TTCCCACTCTTGTGCATTCCATTATATACAATTCCTGCACCTGCAGAGGCTTCTACTTC | PHAVU\_008G051100g | Exon |
| s8\_4345326 | 0.0610 | CTGCATAGATGCCG[T/A]TAAAGGTCTTACACAAAAAAAGTTATTGTCACCATTTTCTATTTGCAGT | PHAVU\_008G049500g/  PHAVU\_008G049600g | intergenic |
| s1\_6197061 | 0.0609 | CAGCAAGAAGCAGAAAAAGGTTTGATTCCTGAA[C/T]TCGTAAAGGTCATAAAAGAAACAAGGGAAC | PHAVU\_001G053900g | Exon |
| s7\_5887308 | 0.0608 | TTTGTGTAAGGAGAACC[T/A]CCCCTTTCAAGGACTAAAACTCTTGCACCTTGCGAGAGAGTTGCTG | PHAVU\_007G066200g | Exon |
| s9\_11995387 | 0.0607 | CTGCTTCGGAAGCGGCGGAGGCGGATCGTTGAACGTCGTAGACGGCTAC[C/T]GAGGCATCGGAGGC | PHAVU\_009G071700g | Exon |
| s4\_43950011 | 0.0606 | CTGCACAATACCACCT[T/A]GCTCTTACTTTTAGACAGCTCTCGCAGGCTCGTGCAGTTCTAGCCCC | PHAVU\_004G157300g | Exon |
| s8\_4866955 | 0.0606 | CAGCCGG[C/T]CGGCTTGTGGCGATCCTGAGCATCTGCCTCACAATCTATGGGATCTCATCCTTCAA | PHAVU\_008G054400g | Exon |
| s9\_20452212 | 0.0606 | CAGCTTGAGATTATGGATGA[C/T]GGATATAAATGGAGGAAGTACGGAAAGAAGACAGTGAAGAACA | PHAVU\_009G138900g | Exon |
| s7\_4755652 | 0.0605 | CAGCGTCCGCTCGTACGTCGCCCTTCCCC[T/C]CGATTACCAGGACTTTGCGCCCCGCCCTCTTGAC | PHAVU\_007G057400g | Exon |
| s9\_12807237 | 0.0604 | CTGCACTAATGACCCTACACGC[A/T]CTAAAGAAAAGTTAAGCCAATAAAAAACTAATACTATTGAT | PHAVU\_009G078900g | Intron |