Table S2: Primer and probe sequences, dbSNP accession numbers and accession number and E-value for best BLAST alignments for 96 SNPs developed from RAD data (RAD96). If no e-value < 10-4 was found, the BLAST results are indicated as none.

| Assay Name | Primers (5'-3') | | | Probes (5'-3') | dbSNP No. | BLAST acc. No., e-value |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | | |  |  |
| Ots\_RAD4369 | F:GCTTCACACGTGTTCACAATGTTAA R:TAGTGCATATTTTAGTGACTCTTTTGCAT | | VIC:AACCTGCGGTGAGAAA FAM:AAACCTGCGATGAGAAA | | 749601766 | none |
| Ots\_RAD5426 | F:TGCAGGGTACACTGAGAATATCATG R:TTGAGACCTGCAAAAGACACTGT | | VIC:CTGGCCTGCTAGGTGA FAM:TGGCCTGCTGGGTGA | | 749601774 | none |
| Ots\_RAD6618 | F:TTTAACTGTTGCCTCCATGCTACA R:CCAGCCCAACTTTTCATGAAAAAAG | | VIC:CTTTCTACAATGACTCTTTC FAM:TCTACAATGCCTCTTTC | | 749601781 | none |
| Ots\_RAD1149 | F:TGCAGGATCCAATGAGGAATGAT R:GGTGAATGGAATATGAATGACAATCATCCA | | VIC:ACCTTTTCACGCATACCA FAM:ACCTTTTCACACATACCA | | 749601731 | none |
| Ots\_RAD1072 | F:CAGGCATCAGAGTCAACACATTTT R:CGTCTGTTGGTTTCACTTCTTGAAT | | VIC:ACAGTGGCAAGAGC FAM:CTACAGTGACAAGAGC | | 749601730 | none |
| Ots\_RAD995 | F:CCAACGGGAGACCCATGAG R:ATAAAGACAGTTTGTTACTTAGAAATATTAATGTCT | | VIC:AGGGAGCGAAACCAA FAM:AGGGAGCAAAACCAA | | 749601729 | none |
| Ots\_RAD856 | F:TGCAGGAATCTTCAGATATTCAACTAATTTC R:AGTCAAGCAGCACACAATGC | | VIC:TTGAAAATGCACAATCCAAT FAM:AAAATGCACGATCCAAT | | 749601727 | none |
| Ots\_RAD679 | F:GCTGAGTGAGAGCTGAAGGT R:GCAAAGGAAAGGCTACCGTTTT | | VIC:CACTTACACATGAGAACGT FAM:CACTTACACATGTGAACGT | | 749601726 | none |
| Ots\_RAD249 | F:GGAACCAGCTATTTTGCACTTGAAA R:TCATAAACACTGGTCCACTGCA | | VIC:TTCCAGGTTAAAATATG FAM:TCCAGGATAAAATATG | | 749601725 | none |
| Ots\_RAD161 | F:AGTGTATCACATGAGGGAGGATGA R:GAGCTTGTTGTCATTGCAGGAAAA | | VIC:CCTGTAACACAAAGCATT FAM:CCTGTAACACACAGCATT | | 749601724 | none |
| Ots\_RAD962 | F:TGCAGGATGTAGTGACAGTCATG R:TTTGCCTGGTATAGACTTTCTTTTCTCA | | VIC:CGCTGTGACACACCCGTA FAM:CGCTGTGACACCCCCGTA | | 749601728 | none |
| Ots\_RAD1282 | F:CCAAGTGTAAGTATTTACCAAGATGTATGTCA R:GGTGGTTGTGTTTTACTGACTGGTA | | VIC:CTGCCCTGCTGGCTT FAM:CTCTGCCCTTCTGGCTT | | 749601732 | none |
| Ots\_RAD1507 | F:ATCGCAGCTGCTGCCT R:TTAGACACAAATGCACTATACACACTGT | | VIC:TGACCTCCCAGAGTAAG FAM:TGACCTCCCTGAGTAAG | | 749601734 | none |
| Ots\_RAD1609 | F:GCTCAGGTGGATTTTGCAGTATCTT R:CCAGACTGTAGCCTACCCATCAA | | VIC:ATACAAAGTTCCATATTGAG FAM:ACAAAGTTCCGTATTGAG | | 749601736 | none |
| Ots\_RAD10515 | F:GACAGGGTGATGTTTGACAGGAT R:CCTACTCCGGGCTTTGAACA | | VIC:CTGTAGCTCTCTTACCCAAT FAM:CTGTAGCTCTCTTTCCCAAT | | 749601799 | none |
| Ots\_RAD10400 | F:GGGTTGAATATATGTTCTCTCGCTTTGT R:ATGTCAGATTCCAAAAAGGCTTTTT | | VIC:CAAACGATGCTTTTAGCTG FAM:AACGATGCTATTAGCTG | | 749601797 | none |
| Ots\_RAD10252 | F:CAGTTGTGAGGCTACAGACCAA R:GCTGTTGCCAGAGAATTGAATGTT | | VIC:CATAAGCCCTTTTAGAGAAT FAM:AGCCCTTTCAGAGAAT | | 749601796 | none |
| Ots\_RAD10099 | F:GGCAGTATGCCTGCCATAATATCTA R:AAACATGACTGGCACTTAGTGACAT | | VIC:ATTCTATATGTAATTCTATAATTC FAM:CTATATGTAATCCTATAATTC | | 749601795 | none |
| Ots\_RAD9970 | F:TCCTTGCTGATCAAACATTGCTATCT R:GAAATTGTGTCTTCTGCAGTAATTACAGTAG | | VIC:AAAACGATCTGCTATCCAT FAM:CGATCTGCAATCCAT | | 749601794 | none |
| Ots\_RAD9756 | F:TGCAGGTTGTCCTACAGGAAAATG R:TTTTTACTTTTAAATTTTACTATTAAATTGTAGGTTCCCT | | VIC:CTTGTGGGACTTATTTGTA FAM:CTTGTGGGACTTTTTTGTA | | 749601793 | none |
| Ots\_RAD9704 | F:TTCTGATTCAACACCTGTTGTCCAT R:TGAGAATGAGCATGCATGGTTAACT | | VIC:CAGACTGTGAAAGCC FAM:CAGACTGTAAAAGCC | | 749601792 | none |
| Ots\_RAD9536 | F:AGGAATTGAACACACAACCTTAGCA R:CTGCTATCTTGCTTTCAGGTCCT | | VIC:AGTTGATAAGAGGCTGGCAC FAM:AGTTGATAAGAGACTGGCAC | | 749601791 | none |
| Ots\_RAD9039 | F:CAGAAAGACTAATTCTGGTTCTGGA R:GTTAGTGCTGGGCTGGAGAA | | VIC:CTGCACACACTGTAG FAM:CTGCACACCCTGTAG | | 749601790 | Q9VH78.1, 9.00E-13 |
| Ots\_RAD8560 | F:CCCACAGGGCACGTCAA R:TGGAGCTGGCACTTTGC | | VIC:AAAGACGCATAATCTC FAM:ACGCGTAATCTC | | 749601789 | none |
| Ots\_RAD8442 | F:GCTAGGCCATCATTGTAAATAAGAATTCG R:CATGCGATTATACACATTTTGCAGTTACT | | VIC:AGTTAAATAAAGGTTAAATAAAAA FAM:AGTTAAATAAAGGTTAAATTAAAA | | 749601788 | none |
| Ots\_RAD8354 | F:TCCGTAAGCCATCTGGTAAACTTTT R:GGTTGAACCCTATCTCTCTGCAAAA | | VIC:ATCTACACTCTAAGAAAAA FAM:CTACACTCTTAGAAAAA | | 749601787 | none |
| Ots\_RAD7695 | F:CAGGCGTTGATGGGATCCA R:CACTATACAGGAAATAGGGTGCCATT | | VIC:ACATATACATTGTTTCCC FAM:CATATACATAGTTTCCC | | 749601786 | none |
| Ots\_RAD7165 | F:TGCAAGATTCCTGTGGGACTTT R:GGGAGATGACATTCTAATGAGAGGTT | | VIC:ATGTTCCTGTTCGTACCCG FAM:TGTTCCTGTTCATACCCG | | 749601785 | none |
| Ots\_RAD7145 | F:CCTTCAAGTTCAGTGAGCTTTGGA R:TGGAGAGAGAGGAGATTAGCTTTGT | | VIC:CACAGTGTAAAATTGATATTT FAM:CAGTGTAAAATGGATATTT | | 749601784 | none |
| Ots\_RAD10583 | F:CAGAGACTGTGTATTATCAGATCTTAATGTATACTG R:AATCAAGCAATAACAAATAACACCTTTGC | | VIC:CCACAAGGAAAGGTGTATG FAM:CACAAGGAAAGATGTATG | | 749601800 | none |
| Ots\_RAD10807 | F:GCTAGAGCGTAATCAGCCAAGTAAA R:TGTATAGCCTGTTATTGTACAGCTACTG | | VIC:TCCAATTTAGGTGTTTATTAG FAM:CAATTTAGGTGCTTATTAG | | 749601801 | none |
| Ots\_RAD11441 | F:TCCACGCGCCTCTTCAG  R:CAAGCAGCAGCTCCATTCC | | VIC:CCGGGCTATGCTTG FAM:CGGGCTGTGCTTG | | 749601803 | none |
| Ots\_RAD4043 | F:GCAGCAAACTGGCTCAAATTAAGAT R:GCTTTCCCTGTTTGATGGTTCGT | | VIC:AAACCTGAATCTATGCCC FAM:CCTGAATGTATGCCC | | 749601764 | none |
| Ots\_RAD3123 | F:GGCACATTTGTATTGGGCTCAA R:CTGAGAGCCAGAAAGCCTGTT | | VIC:CTCCTCTCATATGTTGCC FAM:CCTCTCATGTGTTGCC | | 749601751 | none |
| Ots\_RAD26540 | F:AACACTGGAGTGGATTGGAAATGT R:ACTGAGAGGCTGAACTTGTTCTTC | | VIC:CTTGTATTCTGTGTTTCCAG FAM:CTTGTATTCTGTGTCTCCAG | | 749601819 | none |
| Ots\_RAD22318 | F:GGGCCACACATGCTCCATA R:GCCCAGCGGTGTGTGA | | VIC:CCCCCCATGTCAGAAC FAM:CCCCCATGCCAGAAC | | 749601818 | none |
| Ots\_RAD21978 | F:TGCAGGGACAATAAAGTTTGCATTG R:GACAAGGTTGAGGTGAGGAATCA | | VIC:TTGCAATGTTGGATTGTA FAM:ATTGCAATGTTTGATTGTA | | 749601817 | Q9UPX0.2, 1.00E-8 |
| Ots\_RAD21143 | F:GCAGGGATCACATACACAACCTAAA R:CTAATAAAATATGCCATTTAGGAGACACA | | VIC:TTTATCCAGAGTGAGTCACAT FAM:ATCCAGAGTGACTCACAT | | 749601816 | none |
| Ots\_RAD18973 | F:CAGGCTTACATGAATGGTTTGCT R:GTCCATGTAATGAGTAGCCTCGTAA | | VIC:CACACGGTAATATGTCTG FAM:CACACGGTAATCTGTCTG | | 749601815 | none |
| Ots\_RAD17873 | F:AGATTCCGGACAGAGTACACACT R:TTTGGTGAAACTGTCCTGATGGAT | | VIC:TGTTTTGCATCACTTATACAAT FAM:TTTTGCATCACTAATACAAT | | 749601814 | none |
| Ots\_RAD17721 | F:CCTTACCTTTGACGATTTTATTTTGTTGGA R:CCGTAATTAATAGAACAAAAGGACCATTGG | | VIC:CTTCAATATGTCATATAAAC FAM:TTCAATATGTCGTATAAAC | | 749601813 | none |
| Ots\_RAD16976 | F:TCCATGTGCTGCTTGATAACCAA R:AGCCATCCATTCACATCATCATCAT | | VIC:CACTAAATTCCGTGCAATAA FAM:CACTAAATTCCCTGCAATAA | | 749601812 | none |
| Ots\_RAD15440 | F:GGCAGAAATGAGTCCAGCGT R:TTAGAAGTATGCTGTGTGATGGAG | | VIC:ATGTTTCCAGAAGCTTTAT FAM:ATGTTTCCAGAAACTTTAT | | 749601811 | none |
| Ots\_RAD14852 | F:GCTTTGCTCAAGGGCACAGTA R:TGGTTCGAATACTGGAGCCG | | VIC:CAAGGTGGGAAATGT FAM:ACAAGGTGAGAAATGT | | 749601810 | none |
| Ots\_RAD14650 | F:CAGGCCCAGGCATAGATCAA R:TGTGCCTTCTTCATCATCTTTATGCT | | VIC:AGCTGGTGAGAATATATGTATC FAM:AGCTGGTGAGAATATTTGTATC | | 749601809 | none |
| Ots\_RAD14528 | F:TGCAGGTTAGGAATATACCTTTAATCTCT R:AAGACAACAGTTTATGTTTAATTGATCCCT | | VIC:ATGGAACCAGATATGAACC FAM:TGGAACCAGATTTGAACC | | 749601808 | none |
| Ots\_RAD14482 | F:GGTGGTGTTCTTCATGGTGTTCTT R:CGTACCATCGTTAATGACCATCGTT | | VIC:AGGCTTGCAAGCTG FAM:AGGCTTCCAAGCTG | | 749601807 | none |
| Ots\_RAD12182 | F:CCAGCCACTCGGACAGAT R:CTTCTGACAGTTCTGAAATTCTTTGGT | | VIC:CAAAGTCACAGTTTCGTC FAM:AAGTCACAGGTTCGTC | | 749601806 | none |
| Ots\_RAD11839 | F:CTCAGACCACAATTTGGAGGATAAGT R:CCTAAGTGAATGTGTTTCAATTTAAAGTAAACC | | VIC:AAGGCCTTACAAACTGT FAM:AGGCCTTACGAACTGT | | 749601805 | none |
| Ots\_RAD11821 | F:GTAGGCAATTTTTTACATCGATGGCAAT R:TCATGTGCATATTTTTGTTTCATTTGATTTATAAT | | VIC:CAGGTATATCAACTATTTAAAAG FAM:CAGGTATATCAACTATCTAAAAG | | 749601804 | none |
| Ots\_RAD11425 | F:CCTACTGAGGACACACCAAAGC R:CTCTCATCAATATATTTCCCATTTGAGTC | | VIC:ATGAGGAGCACAATAT FAM:AATGAGGAACACAATAT | | 749601802 | none |
| Ots\_RAD6755 | F:GGGTAAAAAAAAGAGCCATGAACAAG R:GTTCGGCTCCTTTTACTTTGAATTTACA | | VIC:ACAGGTTCCTGCCTCC FAM:AGGTTCCAGCCTCC | | 749601783 | none |
| Ots\_RAD6688 | F:GTCTGTGTCCTGTCCTCAAAACTT R:AATGTGCATTCTGACTGACTGACA | | VIC:CCAACTTATTTGCTCGCTGC FAM:CAACTTATTTGCCCGCTGC | | 749601782 | none |
| Ots\_RAD3470 | F:CACTACTGACAGGAGATGAAATGCA R:CACGGTAACGAGAGATCAACTGAT | | VIC:AAACCCCCACAAGGAT FAM:AAAACCCCTACAAGGAT | | 749601755 | none |
| Ots\_RAD3425 | F:CCACCCAGAAATCTGATGAAAGTGA R:AAAGGGCTTTATAACAATGGTTATCCTT | | VIC:AATGTGACAGAAATAC FAM:ATGTGACAAAAATAC | | 749601754 | none |
| Ots\_RAD3391 | F:GCTACTGCTGGACCTTTTGGA R:GAACCCTTGGTTGTGGTGTTC | | VIC:CAGAGAACGAAACCCT FAM:CAGAGAACAAAACCCT | | 749601753 | none |
| Ots\_RAD3386 | F:ACGTCACATTGATGTCAGATGGTTT R:GTGGTGATACAGTAATACAGCACGTA | | VIC:CCGGGCAATTGG FAM:CCCGGGCCATTGG | | 749601752 | Q6PFW1.1, 5.00E-8 |
| Ots\_RAD3092 | F:ACGGGTGGCTGGTATTAAACATAAA R:GGTCTCTCTTCATGTAATGTTGTGGTA | | VIC:CACACATCACAAGAAGAG FAM:CACATCACGAGAAGAG | | 749601750 | none |
| Ots\_RAD2856 | F:GCAGGTGCTTACATGAGGATCTAAC R:TACGAAGGGCTATATAAATCAATTTGATTTGA | | VIC:TGATATATTTCCCTGTATGGTTC FAM:TTTCCCTGCATGGTTC | | 749601749 | none |
| Ots\_RAD2687 | F:AGGTGTAGAAGCCGGATGTG R:AATTGGGTTATGTACCTGGAGAACATA | | VIC:AGACCACGTTACCTCCTAGG FAM:CCACGTTACCACCTAGG | | 749601748 | none |
| Ots\_RAD2683 | F:TGCAGGAACGTCTATGAAAACATACA R:GTGTCCAAACTTTCGACTGGTACT | | VIC:TGTGTACCTTTTTTACATGTTC FAM:ACCTTTTTTGCATGTTC | | 749601747 | P03934.1, 5.00E-9 |
| Ots\_RAD2677 | F:GCAGGCGATGACCAAAAGC R:AAACACTAGATTTTATTAACTATGCAATTATGAA | | VIC:ATGGGTGGAAAGTTATG FAM:ATGGGTGGAATGTTATG | | 749601746 | none |
| Ots\_RAD2598 | F:TGCAGGTCCTCATTATTGAAACTCA R:GGTCAGGTCATACAGACAGGAAAA | | VIC:ACGAAATGGCTATAAAC FAM:ACGAAATGGATATAAAC | | 749601745 | none |
| Ots\_RAD2442 | F:GCAGGTTGACTCACCGATCT R:TGAACTTTATGTATAATCATGATGTTACTGCAGTAAT | | VIC:CAATTTCAACGTATACATTTG FAM:AATTTCAACGTATCCATTTG | | 749601744 | none |
| Ots\_RAD2357 | F:GCAATTTTTACATTGTTTTAGGTACATTTTTAAGCG R:GGATTCGTTCAGCTAAGAGAGACAT | | VIC:ACAGCTCTTCGCTCATT FAM:ACAGCTCTTCACTCATT | | 749601743 | none |
| Ots\_RAD2255 | F:GGCTCTGACCAAAAACTGTCTGT R:TGCCTGCAGCACAATCTGT | | VIC:TCCTGTGTGCATATAC FAM:TTTCCTGTGTACATATAC | | 749601742 | none |
| Ots\_RAD2234 | F:AATGAAGCTCTCTTACCAAATGTCACT R:GGCAGAGGACAGGAGAGGA | | VIC:TTCCGTGCTACTATCC FAM:CGTGCTGCTATCC | | 749601741 | none |
| Ots\_RAD2207 | F:CGTACAAATGGAAGGATATGATCAACCT R:TTATTATACAACATGATTATCATAATCTGCTCATC | | VIC:CCATAATCAACATACTTTACAATT FAM:AATCAACATACTGTACAATT | | 749601740 | none |
| Ots\_RAD2150 | F:TCAGTGTTTGCGTGCAGTTTTG R:CTCTTGAAAAATGCAATTGAATTACC | | VIC:AGCTGAACTACATAACTAC FAM:CTGAACTACAAAACTAC | | 749601739 | none |
| Ots\_RAD2102 | F:GGCACGCAGCAGTATGC R:CGGTTGTTGTACGAGGATCCA | | VIC:CAGAGCCCCTCTCCCT FAM:CAGAGCCCTTCTCCCT | | 749601738 | P48674.1, 5.00E-5 |
| Ots\_RAD2068 | F:TGACAGCCTGGTCTCATAATCTAGT R:AGTTAACCATACCAAAAGTAGCATGTCAT | | VIC:TCAGGGATACATTTTT FAM:CAGGGATAAATTTTT | | 749601737 | none |
| Ots\_RAD3635 | F:TGCAGGGAGGTTTAAAACATAGCAA R:AGGTTGATGTAAAGAAGCTGTTTTACCT | | VIC:ACTGGAGGAGGAACC FAM:CACTGGAGTAGGAACC | | 749601756 | none |
| Ots\_RAD3703 | F:GCACCACACAAAACGCAGAAATA R:GGGCCCCAGTGTTCGT | | VIC:AAAGGTAAGGCATGATTTA FAM:AGGTAAGGCACGATTTA | | 749601757 | none |
| Ots\_RAD3737 | F:ACTTTTCTCCAATCGACTTGCTAGT R:ACATGGTCACTGTTGTTGTCTTAGT | | VIC:TGTTTTGGATCTCCTTGTACAC FAM:TTTTGGATCTCCCTGTACAC | | 749601758 | none |
| Ots\_RAD3752 | F:GGACCCCACGCTCACC R:GTCTGAAGCTGGAGATGGAGATC | | VIC:CCCCTCCTACCCCC FAM:CCCTCGTACCCCC | | 749601759 | P23049.2, 7.00E-6 |
| Ots\_RAD6184 | F:CGCTCAGCATTTGTGCACTTG R:AAGGGCCTCGGCATGTC | | VIC:TCATTGTGTATACCTCTCC FAM:CATTGTGTATCCCTCTCC | | 749601780 | none |
| Ots\_RAD6121 | F:ACCTTTCAGTCAGCAGTTTCCA R:GCAGTCTTGACACCGGTTATAAGG | | VIC:TGGTAATAAGCTGACCCCTTT FAM:AATAAGCTGGCCCCTTT | | 749601779 | none |
| Ots\_RAD6097 | F:ACATTTTTGAGAGTAAATTGTGGCGAAT R:GGCATGACATTTGATAGCCTGTGTA | | VIC:CAAGGTCCGTTTAATC FAM:CAAGGTCAGTTTAATC | | 749601778 | none |
| Ots\_RAD5848 | F:CCGTGTGCTGGAGATCTTCAC R:TGGTGTTGCCAGGGAACAG | | VIC:CCCTCTTTGAAGAAGTAG FAM:CCTCTTTGAAAAAGTAG | | 749601777 | none |
| Ots\_RAD5730 | F:CCTCATGGGTGAAATGTGACTCA R:TGCTTGACATAGAAACACCGGATTT | | VIC:AAGAAACATTTGTTTGTTTTT FAM:AGAAACATTTGTTTTTTTTT | | 749601776 | none |
| Ots\_RAD1510 | F:GGCCCAAAGACCCTGAGTAC R:GCAGCACCTCTCCGTTAATGA | | VIC:CAGCTTCTCGCGCTGC FAM:CAGCTTCTCACGCTGC | | 749601735 | Q90X48.1, 2.00E-13 |
| Ots\_RAD5429 | F:AGAGCAATGCGGGAATGAAATAGAT R:TTTTAACTGTTTATTAGGCTATATCATCA | | VIC:AAAACAGCTGTGAGGCC FAM:CAGCTGCGAGGCC | | 749601775 | none |
| Ots\_RAD5189 | F:GCTATCCAGTCAGGGAAATCGA R:GCGCTTGATTAAGCACAACATTTGT | | VIC:AAGAGGTAAACTCCTCCCC FAM:AGGTAAACCCCTCCCC | | 749601772 | none |
| Ots\_RAD4999 | F:CTGGCTGTGTAAATGTTGTGATAACAA R:AACACACAATTTAACACAAATGAGAGAATTCAT | | VIC:CAAAAATTGTCTTAAAATATT FAM:AAAATTGTCTTGAAATATT | | 749601771 | none |
| Ots\_RAD4778 | F:GGTGGTAAAGGAGCTCCTTAAACTT R:GGGCGATTACAGCAACCTTAAAGAT | | VIC:AGTCAGATTTAGACCCTTTC FAM:AGTCAGATTTAGTCCCTTTC | | 749601770 | none |
| Ots\_RAD4548 | F:AGGAAGTGCCAAAGAGGTATGG R:CTGCACTTCACACACTTTATCAACT | | VIC:TGTGTTTTCTCGTTCATGC FAM:TGTGTTTTCTCCTTCATGC | | 749601769 | none |
| Ots\_RAD4486 | F:CCTGGGTTGGCATGGTTACA R:AGTACTTCCAACAGGCTTCACAA | | VIC:CCTCAGAACGAACACG FAM:CTCAGAACAAACACG | | 749601768 | none |
| Ots\_RAD4185 | F:GGCCGTCTTCTCCTTGGT R:AACCGGATGGAGGAGATAGGT | | VIC:AGCATGGACTCACCCAGAA FAM:CATGGACTCGCCCAGAA | | 749601765 | none |
| Ots\_RAD3925 | F:GGCCTGTCTGCAAGGAACTT R:GGGAAACTGAGGGTTCATAACATTTTATATGT | | VIC:CTGTGTCCACACCAAAA FAM:CTGTGTCCACCCCAAAA | | 749601763 | none |
| Ots\_RAD3858 | F:CCTCTTTTCCTCTCTCCCTCTGA R:TCCACAGACTGTCCCAGACA | | VIC:CAAGCACTGTAACCTTACTGT FAM:AGCACTGTAACCATACTGT | | 749601762 | none |
| Ots\_RAD3769 | F:TGCAGGATTGTCTGACACTAGTC R:TTGTGCAGAAATTCTTCGGTTGTG | | VIC:CAAACTCAGGTTCATCAGT FAM:CAAACTCAGGTACATCAGT | | 749601761 | none |
| Ots\_RAD3766 | F:GGTAAACACTTTACAAACATCCCTCCTT R:ACGATTTTAATAATAAGTGTAGTGAAATAAGAAGGATGAA | | VIC:CGTTTCAGCCTAATAAGT FAM:CGTTTCAGCCTATTAAGT | | 749601760 | none |
| Ots\_RAD5335 | F:GGAGCTCAGGTGAATTTTGCAGTAT R:TGACCATTATTCACAGATCCCAGACT | | VIC:ACATCAACTCTACAATCC FAM:ATCAACTCAACAATCC | | 749601773 | none |
| Ots\_RAD4438 | F:GTCACCTATCACAGTGGAATCGA R:CCCTCAGGGTAGAATCCTCTCA | | VIC:CCTCAGACGAACTCT FAM:CCTCAGACAAACTCT | | 749601767 | O75445.3, 1.00E-5 |
| Ots\_RAD1372 | F:CCAGTTTCTATTCTTTGTTTCTTTGGTGTAG R:CGGATCAAACGTGTTAACTGAAAAAACAT | | VIC:CCCAAAATGCTTGCTTG FAM:CCAAAATGCATGCTTG | | 749601733 | none |
| Ots\_RAD10412 | F:TGCAGGAAACATGTTGCTATAATGTG R:GTAAGTGTAGTATTTTATTACATGTAGGAGACAGT | | VIC:AAGTAGAAAGCAGTTGCC FAM:AAGTAGAAAGCCGTTGCC | | 749601798 | Q06AU4.1, 2.00E-15 |

Table S3: List of 287 SNPs with source, whether the SNP was in the final FST96 panel, observed heterozygosity (*HO*), expected heterozygosity (*HE*), overall *FST*, and *FST* rank. Sources are (a) this study (RAD96) and (b) other studies (CTC191), reviewed in Warheit et al. ([2013](#_ENREF_70)) for exact source. All summary statistics were calculated on populations 1-24 (excluding population 2, see text). Asterisks next to assay names denote markers that were removed because they were out of Hardy-Weinberg equilibrium or were in linkage disequilibrium with another locus. NAs indicate the SNP was monomorphic in all populations sampled or was out of Hardy-Weinberg or linkage equilibrium and was not included in the ranking analysis.

| Number | Assay Name | Source | FST96 | *HO* | *HE* | *FST* | *FST* rank | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Ots\_RAD4369 | a | yes | 0.474 | 0.482 | 0.008 | 91 |
| 2 | Ots\_RAD5426 | a | no | 0.473 | 0.485 | 0.005 | 156 |
| 3 | Ots\_RAD6618 | a | yes | 0.454 | 0.449 | 0.010 | 68 |
| 4 | Ots\_RAD1149 | a | no | 0.064 | 0.061 | 0.005 | 168 |
| 5 | Ots\_RAD1072 | a | yes | 0.099 | 0.097 | 0.010 | 66 |
| 6 | Ots\_RAD995 | a | yes | 0.484 | 0.476 | 0.009 | 74 |
| 7 | Ots\_RAD856 | a | no | 0.361 | 0.369 | 0.004 | 188 |
| 8 | Ots\_RAD679 | a | no | 0.500 | 0.494 | 0.006 | 143 |
| 9 | Ots\_RAD249 | a | no | 0.501 | 0.485 | 0.005 | 149 |
| 10 | Ots\_RAD161 | a | no | 0.286 | 0.281 | 0.002 | 214 |
| 11 | Ots\_RAD962 | a | no | 0.364 | 0.341 | 0.007 | 120 |
| 12 | Ots\_RAD1282 | a | yes | 0.341 | 0.280 | 0.012 | 34 |
| 13 | Ots\_RAD1507 | a | yes | 0.486 | 0.481 | 0.017 | 11 |
| 14 | Ots\_RAD1609 | a | yes | 0.456 | 0.452 | 0.008 | 93 |
| 15 | Ots\_RAD10515 | a | no | 0.495 | 0.492 | 0.004 | 189 |
| 16 | Ots\_RAD10400 | a | no | 0.413 | 0.400 | 0.004 | 182 |
| 17 | Ots\_RAD10252 | a | no | 0.334 | 0.335 | 0.006 | 132 |
| 18 | Ots\_RAD10099 | a | no | 0.279 | 0.278 | 0.002 | 224 |
| 19 | Ots\_RAD9970 | a | no | 0.502 | 0.495 | 0.000 | 242 |
| 20 | Ots\_RAD9756 | a | no | 0.442 | 0.414 | 0.006 | 145 |
| 21 | Ots\_RAD9704 | a | no | 0.341 | 0.331 | 0.002 | 221 |
| 22 | Ots\_RAD9536 | a | no | 0.493 | 0.474 | 0.006 | 146 |
| 23 | Ots\_RAD9039 | a | no | 0.071 | 0.069 | 0.006 | 123 |
| 24 | Ots\_RAD8560 | a | no | 0.176 | 0.176 | 0.004 | 177 |
| 25 | Ots\_RAD8442 | a | no | 0.455 | 0.484 | 0.005 | 162 |
| 26 | Ots\_RAD8354 | a | yes | 0.384 | 0.385 | 0.012 | 40 |
| 27 | Ots\_RAD7695 | a | yes | 0.233 | 0.240 | 0.013 | 30 |
| 28 | Ots\_RAD7165 | a | yes | 0.462 | 0.478 | 0.011 | 44 |
| 29 | Ots\_RAD7145 | a | yes | 0.367 | 0.383 | 0.012 | 37 |
| 30 | Ots\_RAD10583 | a | yes | 0.264 | 0.260 | 0.009 | 75 |
| 31 | Ots\_RAD10807 | a | yes | 0.375 | 0.373 | 0.011 | 53 |
| 32 | Ots\_RAD11441 | a | yes | 0.216 | 0.202 | 0.014 | 25 |
| 33 | Ots\_RAD4043 | a | yes | 0.256 | 0.257 | 0.014 | 22 |
| 34 | Ots\_RAD3123 | a | yes | 0.251 | 0.260 | 0.010 | 55 |
| 35 | Ots\_RAD26540 | a | yes | 0.504 | 0.488 | 0.017 | 12 |
| 36 | Ots\_RAD22318 | a | no | 0.270 | 0.258 | 0.006 | 141 |
| 37 | Ots\_RAD21978 | a | no | 0.100 | 0.103 | 0.000 | 245 |
| 38 | Ots\_RAD21143 | a | no | 0.008 | 0.008 | 0.002 | 222 |
| 39 | Ots\_RAD18973 | a | no | 0.093 | 0.092 | 0.006 | 130 |
| 40 | Ots\_RAD17873 | a | yes | 0.238 | 0.238 | 0.009 | 76 |
| 41 | Ots\_RAD17721 | a | no | 0.152 | 0.154 | 0.007 | 121 |
| 42 | Ots\_RAD16976 | a | no | 0.292 | 0.278 | 0.007 | 117 |
| 43 | Ots\_RAD15440 | a | no | 0.305 | 0.317 | 0.005 | 163 |
| 44 | Ots\_RAD14852 | a | yes | 0.111 | 0.112 | 0.010 | 59 |
| 45 | Ots\_RAD14650 | a | yes | 0.353 | 0.357 | 0.017 | 13 |
| 46 | Ots\_RAD14528 | a | no | 0.119 | 0.118 | 0.008 | 98 |
| 47 | Ots\_RAD14482 | a | no | 0.139 | 0.136 | 0.005 | 152 |
| 48 | Ots\_RAD12182 | a | yes | 0.276 | 0.269 | 0.009 | 79 |
| 49 | Ots\_RAD11839 | a | no | 0.501 | 0.494 | 0.004 | 190 |
| 50 | Ots\_RAD11821\* | a | no | NA | NA | NA | NA |
| 51 | Ots\_RAD11425 | a | no | 0.329 | 0.327 | 0.008 | 105 |
| 52 | Ots\_RAD6755 | a | no | 0.347 | 0.340 | 0.005 | 164 |
| 53 | Ots\_RAD6688 | a | yes | 0.432 | 0.415 | 0.011 | 48 |
| 54 | Ots\_RAD3470 | a | no | 0.499 | 0.493 | 0.007 | 108 |
| 55 | Ots\_RAD3425 | a | yes | 0.142 | 0.140 | 0.011 | 52 |
| 56 | Ots\_RAD3391 | a | no | 0.328 | 0.337 | 0.003 | 197 |
| 57 | Ots\_RAD3386 | a | yes | 0.382 | 0.384 | 0.024 | 5 |
| 58 | Ots\_RAD3092 | a | no | 0.501 | 0.487 | 0.003 | 208 |
| 59 | Ots\_RAD2856 | a | no | 0.318 | 0.316 | 0.006 | 125 |
| 60 | Ots\_RAD2687 | a | yes | 0.293 | 0.276 | 0.009 | 69 |
| 61 | Ots\_RAD2683 | a | yes | 0.485 | 0.477 | 0.009 | 80 |
| 62 | Ots\_RAD2677 | a | yes | 0.178 | 0.172 | 0.009 | 72 |
| 63 | Ots\_RAD2598 | a | yes | 0.402 | 0.392 | 0.013 | 31 |
| 64 | Ots\_RAD2442 | a | no | 0.462 | 0.449 | 0.001 | 228 |
| 65 | Ots\_RAD2357 | a | no | 0.435 | 0.444 | 0.005 | 158 |
| 66 | Ots\_RAD2255 | a | no | 0.483 | 0.486 | 0.007 | 118 |
| 67 | Ots\_RAD2234 | a | no | 0.390 | 0.406 | 0.004 | 183 |
| 68 | Ots\_RAD2207 | a | yes | 0.273 | 0.262 | 0.010 | 56 |
| 69 | Ots\_RAD2150 | a | yes | 0.494 | 0.488 | 0.008 | 88 |
| 70 | Ots\_RAD2102 | a | yes | 0.458 | 0.447 | 0.021 | 7 |
| 71 | Ots\_RAD2068 | a | yes | 0.099 | 0.096 | 0.009 | 85 |
| 72 | Ots\_RAD3635 | a | no | 0.311 | 0.321 | 0.005 | 161 |
| 73 | Ots\_RAD3703 | a | yes | 0.417 | 0.421 | 0.032 | 1 |
| 74 | Ots\_RAD3737 | a | no | 0.509 | 0.496 | 0.003 | 195 |
| 75 | Ots\_RAD3752 | a | no | 0.391 | 0.376 | 0.006 | 142 |
| 76 | Ots\_RAD6184 | a | no | 0.436 | 0.435 | 0.003 | 200 |
| 77 | Ots\_RAD6121 | a | no | 0.227 | 0.222 | 0.008 | 100 |
| 78 | Ots\_RAD6097 | a | yes | 0.330 | 0.334 | 0.013 | 32 |
| 79 | Ots\_RAD5848 | a | yes | 0.292 | 0.299 | 0.011 | 45 |
| 80 | Ots\_RAD5730 | a | yes | 0.429 | 0.491 | 0.011 | 54 |
| 81 | Ots\_RAD1510 | a | yes | 0.166 | 0.171 | 0.015 | 20 |
| 82 | Ots\_RAD5429 | a | no | 0.411 | 0.399 | 0.006 | 136 |
| 83 | Ots\_RAD5189 | a | no | 0.359 | 0.331 | 0.008 | 101 |
| 84 | Ots\_RAD4999 | a | yes | 0.467 | 0.471 | 0.013 | 29 |
| 85 | Ots\_RAD4778 | a | yes | 0.447 | 0.466 | 0.008 | 94 |
| 86 | Ots\_RAD4548 | a | no | 0.245 | 0.228 | 0.005 | 157 |
| 87 | Ots\_RAD4486 | a | no | 0.487 | 0.487 | 0.006 | 147 |
| 88 | Ots\_RAD4185 | a | no | 0.495 | 0.481 | 0.005 | 150 |
| 89 | Ots\_RAD3925 | a | yes | 0.482 | 0.489 | 0.014 | 27 |
| 90 | Ots\_RAD3858 | a | yes | 0.320 | 0.313 | 0.010 | 57 |
| 91 | Ots\_RAD3769 | a | yes | 0.329 | 0.340 | 0.011 | 49 |
| 92 | Ots\_RAD3766 | a | yes | 0.408 | 0.405 | 0.008 | 92 |
| 93 | Ots\_RAD5335 | a | yes | 0.473 | 0.472 | 0.011 | 43 |
| 94 | Ots\_RAD4438 | a | no | 0.236 | 0.231 | 0.006 | 129 |
| 95 | Ots\_RAD1372 | a | yes | 0.316 | 0.319 | 0.010 | 65 |
| 96 | Ots\_RAD10412 | a | yes | 0.079 | 0.078 | 0.009 | 70 |
| 97 | Ots\_100884-287 | b | no | 0.261 | 0.253 | 0.002 | 212 |
| 98 | Ots\_101119-381 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 99 | Ots\_101554-407 | b | yes | 0.149 | 0.148 | 0.009 | 77 |
| 100 | Ots\_101704-143 | b | yes | 0.030 | 0.037 | 0.010 | 62 |
| 101 | Ots\_102213-210 | b | no | 0.022 | 0.022 | -0.001 | 248 |
| 102 | Ots\_102414-395 | b | no | 0.506 | 0.490 | 0.003 | 206 |
| 103 | Ots\_102420-494 | b | yes | 0.479 | 0.473 | 0.026 | 4 |
| 104 | Ots\_102457-132 | b | no | 0.098 | 0.128 | -0.001 | 246 |
| 105 | Ots\_102801-308 | b | no | 0.064 | 0.064 | 0.001 | 233 |
| 106 | Ots\_102867-609 | b | yes | 0.380 | 0.373 | 0.016 | 16 |
| 107 | Ots\_103041-52 | b | no | 0.207 | 0.202 | 0.002 | 213 |
| 108 | Ots\_103122-180 | b | no | 0.002 | 0.002 | 0.001 | 229 |
| 109 | Ots\_104063-132 | b | yes | 0.402 | 0.405 | 0.009 | 81 |
| 110 | Ots\_104415-88 | b | yes | 0.473 | 0.445 | 0.014 | 24 |
| 111 | Ots\_104569-86 | b | no | 0.216 | 0.208 | 0.007 | 113 |
| 112 | Ots\_105105-613 | b | yes | 0.291 | 0.296 | 0.010 | 58 |
| 113 | Ots\_105132-200 | b | no | 0.481 | 0.486 | 0.005 | 169 |
| 114 | Ots\_105385-421 | b | no | 0.509 | 0.494 | 0.005 | 166 |
| 115 | Ots\_105407-117 | b | no | 0.165 | 0.159 | 0.003 | 201 |
| 116 | Ots\_106499-70 | b | no | 0.465 | 0.457 | 0.004 | 180 |
| 117 | Ots\_106747-239 | b | no | 0.504 | 0.489 | 0.008 | 104 |
| 118 | Ots\_107074-284 | b | no | 0.379 | 0.379 | 0.002 | 225 |
| 119 | Ots\_107285-93 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 120 | Ots\_107806-821 | b | yes | 0.475 | 0.469 | 0.008 | 86 |
| 121 | Ots\_108007-208 | b | no | 0.070 | 0.068 | 0.007 | 119 |
| 122 | Ots\_108390-329 | b | no | 0.095 | 0.095 | 0.003 | 202 |
| 123 | Ots\_108735-302 | b | no | 0.186 | 0.190 | 0.002 | 226 |
| 124 | Ots\_108820-336 | b | yes | 0.399 | 0.387 | 0.017 | 14 |
| 125 | Ots\_109525-816 | b | no | 0.011 | 0.010 | 0.001 | 231 |
| 126 | Ots\_109693-392 | b | no | 0.160 | 0.162 | 0.003 | 198 |
| 127 | Ots\_110064-383 | b | no | 0.405 | 0.391 | 0.006 | 144 |
| 128 | Ots\_110201-363 | b | yes | 0.489 | 0.477 | 0.011 | 41 |
| 129 | Ots\_110495-380 | b | no | 0.024 | 0.024 | 0.008 | 99 |
| 130 | Ots\_110551-64 | b | no | 0.381 | 0.370 | 0.005 | 171 |
| 131 | Ots\_110689-218 | b | no | 0.353 | 0.357 | 0.007 | 116 |
| 132 | Ots\_111084b-619\* | b | no | NA | NA | NA | NA |
| 133 | Ots\_111666-408\* | b | no | NA | NA | NA | NA |
| 134 | Ots\_111681-657 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 135 | Ots\_112301-43 | b | no | 0.054 | 0.053 | 0.004 | 191 |
| 136 | Ots\_112419-131 | b | no | 0.042 | 0.043 | 0.003 | 199 |
| 137 | Ots\_112820-284 | b | no | 0.491 | 0.488 | 0.005 | 167 |
| 138 | Ots\_112876-371 | b | no | 0.424 | 0.418 | 0.001 | 235 |
| 139 | Ots\_113242-216 | b | no | 0.386 | 0.372 | 0.003 | 204 |
| 140 | Ots\_113457-40 | b | no | 0.478 | 0.489 | 0.001 | 236 |
| 141 | Ots\_115987-325 | b | no | 0.139 | 0.139 | 0.007 | 109 |
| 142 | Ots\_117242-136 | b | no | 0.150 | 0.144 | 0.006 | 133 |
| 143 | Ots\_117259-271 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 144 | Ots\_117432-409 | b | no | 0.487 | 0.475 | 0.000 | 239 |
| 145 | Ots\_118175-479 | b | no | 0.266 | 0.265 | 0.002 | 209 |
| 146 | Ots\_118205-61 | b | no | 0.491 | 0.476 | 0.008 | 106 |
| 147 | Ots\_122414-56 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 148 | Ots\_123048-521 | b | no | 0.448 | 0.446 | 0.002 | 216 |
| 149 | Ots\_123921-111 | b | no | 0.361 | 0.362 | 0.006 | 126 |
| 150 | Ots\_124774-477 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 151 | Ots\_127236-62 | b | no | 0.303 | 0.301 | 0.004 | 181 |
| 152 | Ots\_127760-569 | b | no | 0.472 | 0.484 | -0.001 | 250 |
| 153 | Ots\_128302-57 | b | yes | 0.502 | 0.492 | 0.009 | 83 |
| 154 | Ots\_128693-461 | b | no | 0.455 | 0.457 | 0.005 | 173 |
| 155 | Ots\_128757-61 | b | no | 0.099 | 0.100 | 0.005 | 170 |
| 156 | Ots\_129144-472 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 157 | Ots\_129170-683 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 158 | Ots\_129458-451 | b | no | 0.017 | 0.017 | 0.002 | 217 |
| 159 | Ots\_130720-99 | b | no | 0.484 | 0.494 | 0.004 | 192 |
| 160 | Ots\_131460-584 | b | yes | 0.454 | 0.435 | 0.008 | 87 |
| 161 | Ots\_131906-141 | b | no | 0.479 | 0.493 | 0.005 | 153 |
| 162 | Ots\_94857-232 | b | yes | 0.444 | 0.431 | 0.010 | 60 |
| 163 | Ots\_94903-99 | b | yes | 0.260 | 0.264 | 0.012 | 38 |
| 164 | Ots\_96222-525 | b | no | 0.381 | 0.389 | 0.005 | 159 |
| 165 | Ots\_96500-180 | b | yes | 0.287 | 0.274 | 0.010 | 67 |
| 166 | Ots\_96899-357 | b | no | 0.485 | 0.469 | 0.002 | 210 |
| 167 | Ots\_97077-179 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 168 | Ots\_99550-204 | b | no | 0.194 | 0.192 | 0.006 | 139 |
| 169 | Ots\_AldB1-122 | b | no | 0.401 | 0.386 | 0.006 | 148 |
| 170 | Ots\_aldb-177M | b | no | 0.000 | 0.000 | 0.000 | NA |
| 171 | Ots\_ALDBINT1-SNP1 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 172 | Ots\_ARNT | b | yes | 0.361 | 0.357 | 0.010 | 61 |
| 173 | Ots\_arp-436 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 174 | Ots\_AsnRS-60 | b | yes | 0.476 | 0.467 | 0.009 | 73 |
| 175 | Ots\_aspat-196 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 176 | Ots\_BMP2-SNP1 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 177 | Ots\_brp16-64 | b | no | 0.345 | 0.343 | -0.001 | 247 |
| 178 | Ots\_C3N3 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 179 | Ots\_Cath\_D141 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 180 | Ots\_CCR7 | b | no | 0.202 | 0.205 | -0.001 | 251 |
| 181 | Ots\_CD59-2 | b | yes | 0.414 | 0.429 | 0.009 | 71 |
| 182 | Ots\_CD63 | b | no | 0.218 | 0.215 | 0.008 | 102 |
| 183 | Ots\_CirpA | b | yes | 0.332 | 0.325 | 0.012 | 36 |
| 184 | Ots\_cox1-241 | b | no | 0.303 | 0.306 | 0.004 | 179 |
| 185 | Ots\_DDX5-171 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 186 | Ots\_DESMIN19-SNP1 | b | yes | 0.436 | 0.434 | 0.011 | 50 |
| 187 | Ots\_E2-275 | b | no | 0.403 | 0.393 | 0.007 | 114 |
| 188 | Ots\_EndoRB1-486 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 189 | Ots\_EP-529 | b | no | 0.185 | 0.178 | 0.004 | 178 |
| 190 | Ots\_Est1363 | b | yes | 0.004 | 0.004 | 0.008 | 89 |
| 191 | Ots\_Est740 | b | yes | 0.191 | 0.189 | 0.012 | 39 |
| 192 | Ots\_ETIF1A | b | no | 0.469 | 0.478 | 0.000 | 237 |
| 193 | Ots\_FARSLA-220 | b | yes | 0.053 | 0.053 | 0.030 | 2 |
| 194 | Ots\_FGF6A\* | b | no | NA | NA | NA | NA |
| 195 | Ots\_FGF6B\_1 | b | no | 0.369 | 0.360 | 0.007 | 110 |
| 196 | Ots\_GCSH | b | no | 0.000 | 0.000 | -0.001 | 252 |
| 197 | Ots\_GDH-81x | b | no | 0.236 | 0.232 | 0.005 | 154 |
| 198 | Ots\_GH2 | b | yes | 0.353 | 0.359 | 0.014 | 26 |
| 199 | Ots\_GPDH-338 | b | yes | 0.276 | 0.271 | 0.009 | 82 |
| 200 | Ots\_GPH-318 | b | no | 0.158 | 0.157 | 0.002 | 215 |
| 201 | Ots\_GST-207 | b | yes | 0.107 | 0.103 | 0.021 | 6 |
| 202 | Ots\_GTH2B-550 | b | no | 0.431 | 0.421 | 0.006 | 127 |
| 203 | Ots\_HFABP-34 | b | no | 0.286 | 0.293 | 0.003 | 207 |
| 204 | Ots\_HMGB1-73 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 205 | Ots\_hnRNPL-533 | b | no | 0.389 | 0.377 | 0.001 | 230 |
| 206 | Ots\_hsc71-5'-453 | b | no | 0.001 | 0.001 | 0.001 | 234 |
| 207 | Ots\_hsp27b-150 | b | no | 0.160 | 0.159 | 0.001 | 232 |
| 208 | Ots\_Hsp90a | b | no | 0.497 | 0.495 | 0.004 | 174 |
| 209 | Ots\_HSP90B-100\* | b | no | NA | NA | NA | NA |
| 210 | Ots\_HSP90B-385 | b | yes | 0.060 | 0.061 | 0.008 | 95 |
| 211 | Ots\_IGF-I-1-76 | b | yes | 0.482 | 0.483 | 0.018 | 10 |
| 212 | Ots\_Ikaros-250 | b | yes | 0.261 | 0.266 | 0.012 | 35 |
| 213 | Ots\_IL11 | b | yes | 0.089 | 0.089 | 0.009 | 84 |
| 214 | Ots\_il13Ra2B-37 | b | no | 0.073 | 0.071 | 0.000 | 243 |
| 215 | Ots\_il-1racp-166 | b | yes | 0.561 | 0.471 | 0.013 | 33 |
| 216 | Ots\_IL8R\_C8 | b | no | 0.084 | 0.090 | 0.007 | 112 |
| 217 | Ots\_IsoT | b | yes | 0.443 | 0.456 | 0.020 | 8 |
| 218 | Ots\_LWSop-638 | b | yes | 0.083 | 0.083 | 0.014 | 28 |
| 219 | Ots\_mapK-3'-309 | b | no | 0.129 | 0.129 | 0.002 | 223 |
| 220 | Ots\_mapKpr-151 | b | no | 0.263 | 0.268 | 0.000 | 240 |
| 221 | Ots\_MHC1 | b | no | 0.515 | 0.494 | 0.006 | 128 |
| 222 | Ots\_MHC2 | b | yes | 0.152 | 0.160 | 0.030 | 3 |
| 223 | Ots\_MTA-SNP1 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 224 | Ots\_mybp-85 | b | no | 0.296 | 0.299 | 0.002 | 211 |
| 225 | Ots\_Myc-366 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 226 | Ots\_myo1a-384 | b | yes | 0.210 | 0.208 | 0.011 | 51 |
| 227 | Ots\_myoD-364 | b | no | 0.245 | 0.254 | 0.000 | 244 |
| 228 | Ots\_NAML12-SNP1 | b | no | 0.186 | 0.186 | 0.004 | 175 |
| 229 | Ots\_nelfd-163 | b | no | 0.049 | 0.049 | 0.008 | 103 |
| 230 | Ots\_NFYB-147 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 231 | Ots\_nkef-192 | b | yes | 0.288 | 0.291 | 0.011 | 46 |
| 232 | Ots\_NOD1 | b | no | 0.459 | 0.465 | 0.004 | 185 |
| 233 | Ots\_ntl-255 | b | no | 0.507 | 0.492 | 0.005 | 165 |
| 234 | Ots\_Ots311-101x | b | no | 0.000 | 0.000 | 0.000 | NA |
| 235 | Ots\_P450 | b | yes | 0.321 | 0.324 | 0.011 | 42 |
| 236 | Ots\_P450-288 | b | no | 0.482 | 0.464 | 0.003 | 196 |
| 237 | Ots\_P53 | b | yes | 0.521 | 0.491 | 0.011 | 47 |
| 238 | Ots\_parp3-286 | b | yes | 0.375 | 0.375 | 0.016 | 15 |
| 239 | Ots\_PGK-54 | b | yes | 0.001 | 0.001 | 0.008 | 96 |
| 240 | Ots\_pop5-96 | b | no | 0.299 | 0.286 | 0.004 | 186 |
| 241 | Ots\_ppie-245 | b | no | 0.483 | 0.487 | 0.007 | 111 |
| 242 | Ots\_Prl2 | b | yes | 0.438 | 0.433 | 0.020 | 9 |
| 243 | Ots\_RAD1104-38 | b | no | 0.481 | 0.478 | 0.003 | 193 |
| 244 | Ots\_RAD1832-39 | b | no | 0.446 | 0.442 | 0.005 | 151 |
| 245 | Ots\_RAD3513-49 | b | no | 0.479 | 0.494 | 0.005 | 160 |
| 246 | Ots\_RAD7936-50 | b | no | 0.336 | 0.332 | 0.006 | 140 |
| 247 | Ots\_RAD8200-45 | b | yes | 0.482 | 0.460 | 0.010 | 63 |
| 248 | Ots\_RAD9480-51\* | b | no | NA | NA | NA | NA |
| 249 | Ots\_RAG3 | b | no | 0.020 | 0.020 | 0.007 | 122 |
| 250 | Ots\_redd1-187 | b | yes | 0.267 | 0.263 | 0.010 | 64 |
| 251 | Ots\_RFC2-558 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 252 | Ots\_S7-1 | b | no | 0.000 | 0.000 | 0.004 | 184 |
| 253 | Ots\_SClkF2R2-135 | b | no | 0.501 | 0.488 | 0.005 | 155 |
| 254 | Ots\_SL | b | yes | 0.418 | 0.416 | 0.014 | 23 |
| 255 | Ots\_stk6-516 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 256 | Ots\_SWS1op-182 | b | yes | 0.000 | 0.000 | 0.015 | 18 |
| 257 | Ots\_TAPBP | b | yes | 0.218 | 0.222 | 0.009 | 78 |
| 258 | Ots\_TCTA-58 | b | no | 0.166 | 0.166 | 0.006 | 137 |
| 259 | Ots\_TF1-SNP1 | b | no | 0.004 | 0.004 | 0.000 | 241 |
| 260 | Ots\_Tf-3545 | b | no | 0.098 | 0.096 | -0.001 | 253 |
| 261 | Ots\_TGFB | b | no | 0.485 | 0.493 | 0.006 | 131 |
| 262 | Ots\_Thio | b | yes | 0.477 | 0.487 | 0.015 | 17 |
| 263 | Ots\_TLR3 | b | no | 0.505 | 0.493 | 0.008 | 107 |
| 264 | Ots\_Tnsf | b | yes | 0.173 | 0.170 | 0.008 | 90 |
| 265 | Ots\_tpx2-125 | b | no | 0.037 | 0.040 | 0.003 | 205 |
| 266 | Ots\_txnip-321 | b | no | 0.028 | 0.028 | 0.007 | 115 |
| 267 | Ots\_u07-07-161 | b | yes | 0.311 | 0.313 | 0.015 | 21 |
| 268 | Ots\_u07-17-135 | b | no | 0.106 | 0.108 | 0.002 | 219 |
| 269 | Ots\_u07-18-378 | b | no | 0.003 | 0.003 | -0.001 | 249 |
| 270 | Ots\_u07-19-260 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 271 | Ots\_u07-25-325 | b | no | 0.000 | 0.000 | 0.002 | 227 |
| 272 | Ots\_u07-49-290 | b | no | 0.261 | 0.272 | 0.005 | 172 |
| 273 | Ots\_u07-53-133 | b | no | 0.377 | 0.361 | 0.004 | 176 |
| 274 | Ots\_u07-57-120 | b | no | 0.148 | 0.150 | 0.006 | 134 |
| 275 | Ots\_u1002-75 | b | no | 0.151 | 0.157 | 0.002 | 220 |
| 276 | Ots\_u1007-124 | b | yes | 0.100 | 0.096 | 0.015 | 19 |
| 277 | Ots\_u202-161 | b | no | 0.028 | 0.028 | 0.003 | 203 |
| 278 | Ots\_u211-85 | b | no | 0.033 | 0.032 | 0.004 | 187 |
| 279 | Ots\_U2362-227 | b | no | 0.308 | 0.298 | 0.000 | 238 |
| 280 | Ots\_U2362-330 | b | no | 0.128 | 0.126 | 0.008 | 97 |
| 281 | Ots\_U2446-123 | b | no | 0.445 | 0.421 | 0.006 | 138 |
| 282 | Ots\_u6-75 | b | no | 0.220 | 0.225 | 0.002 | 218 |
| 283 | Ots\_unk526 | b | no | 0.314 | 0.295 | 0.006 | 124 |
| 284 | Ots\_USMG5-67 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 285 | Ots\_vatf-251 | b | no | 0.000 | 0.000 | 0.000 | NA |
| 286 | Ots\_zn593-346 | b | no | 0.000 | 0.000 | 0.006 | 135 |
| 287 | Ots\_zP3b-215 | b | no | 0.139 | 0.140 | 0.003 | 194 |