

Table S2. The features which had been singled out by mRMR and GA

| No | Sequence | No | Sequence | No | Sequence | No | Sequence |
|----|----------|----|----------|-----|----------|-----|----------|
| 1 | cggcgc | 42 | gtcaac | 83 | cgtgac | 124 | ccaggt |
| 2 | aagcct | 43 | gagaaa | 84 | gcatgc | 125 | aacggt |
| 3 | ccgacg | 44 | tgtctg | 85 | atgcag | 126 | ttaaca |
| 4 | caggcc | 45 | gccacc | 86 | tgcgct | 127 | acgttt |
| 5 | agtgag | 46 | agccag | 87 | tggcga | 128 | taccgc |
| 6 | cacgcg | 47 | agccgt | 88 | cctggt | 129 | taggcc |
| 7 | agtgcg | 48 | gcaaac | 89 | agcctg | 130 | atgtgc |
| 8 | cagcgc | 49 | gggttc | 90 | caccct | 131 | gctaac |
| 9 | ccacga | 50 | ggcttg | 91 | agaact | 132 | tgtaca |
| 10 | ccccac | 51 | ttggtc | 92 | ccagct | 133 | tacatt |
| 11 | cgtctg | 52 | cgccct | 93 | tcagcg | 134 | agtgcc |
| 12 | cggccc | 53 | ggccac | 94 | cccgtt | 135 | tagtta |
| 13 | cggtga | 54 | cggggt | 95 | cgcttc | 136 | gcgtgt |
| 14 | cgtccg | 55 | tcgctc | 96 | gtgcgc | 137 | tggccc |
| 15 | atggca | 56 | tgcccg | 97 | atggcc | 138 | accat |
| 16 | tggtc | 57 | aaattt | 98 | ggattt | 139 | tgtgcg |
| 17 | tgcgcg | 58 | gatgag | 99 | ccgcat | 140 | gaaaga |
| 18 | ggaagt | 59 | agcaag | 100 | tcgcag | 141 | cggcga |
| 19 | cggaaa | 60 | tcccc | 101 | gtcagg | 142 | gagccg |
| 20 | agagat | 61 | gccgtc | 102 | gacgcg | 143 | cgatgg |
| 21 | attcca | 62 | ttgaca | 103 | atccag | 144 | ctctgg |
| 22 | gaaggg | 63 | caagtc | 104 | ctcgct | 145 | cccggg |
| 23 | cgtgct | 64 | acctga | 105 | ctgaag | 146 | attttc |
| 24 | cccata | 65 | gctcct | 106 | ggcgcg | 147 | ggtttc |
| 25 | ccggag | 66 | taccat | 107 | actcca | 148 | gcaggg |
| 26 | ttgcgc | 67 | cagtaa | 108 | ccggcg | 149 | ccgtcc |
| 27 | tgggcg | 68 | tgtca | 109 | cttctt | 150 | tggact |

| | | | | | | | |
|----|--------|----|--------|-----|--------|-----|--------|
| 28 | agcctt | 69 | atcaag | 110 | acggcg | 151 | ctgagt |
| 29 | tctcgc | 70 | ccatgc | 111 | caggta | 152 | gcctga |
| 30 | cccgcg | 71 | aagtgg | 112 | tcgtag | 153 | gcagtt |
| 31 | agctcc | 72 | cctgca | 113 | tcacgg | 154 | atgacg |
| 32 | tgcctt | 73 | gacagc | 114 | ctcgcc | 155 | cgttca |
| 33 | gggcgt | 74 | tacggg | 115 | cacaat | 156 | cctcca |
| 34 | cagctc | 75 | gtttta | 116 | gggcaa | 157 | cgtagt |
| 35 | acgcgt | 76 | cccgag | 117 | cagatg | 158 | ctgttc |
| 36 | gcgcgc | 77 | aggcat | 118 | cccatt | 159 | ctggac |
| 37 | tgtgac | 78 | ggaatc | 119 | cacgta | 160 | tgtggg |
| 38 | aggctt | 79 | aagatg | 120 | cgcagt | 161 | ccccgt |
| 39 | gagcga | 80 | gggccc | 121 | cgatcc | 162 | ccagcg |
| 40 | ccgccg | 81 | actgcg | 122 | cgatcc | 163 | ggcggc |
| 41 | gctcca | 82 | cctcac | 123 | ggacac | 164 | tctgag |
