Table S4: Tajima’s D analysis of various genes under different types of selection(3-8). Population sizes (n) are reported in parenthesis. Tajima’s D was calculated using VCFTools(9) in bins of 100 bp for all biallelic sites within the location range of each gene.

| Selection | Gene | Location (GRCh37.p13) | Tajima's D all populations (n=2,504) | Literature Value | Reference |
|-----------|------|-----------------------|--------------------------------------|------------------|----------|
| Unknown   | IZUMO1 | Chr 9 49244073-49250831 | -0.35532 | N/A | N/A |
|           | JUNO | Chr 11 94038803-94040858 | -0.77916 | N/A | N/A |
| Neutral   | LTA | Chr 6 31539876-31542101 | -0.45138 | 0.746 (n=282) 6 Chinese populations | (5) |
|           | TAS2R38 | Chr 7 141463897-141464997 | -0.58725 | 1.078 (n=8,589) | (10) |
|           | TBX1 | Chr 22 19744226-1977116 | -0.69686 | -0.25 (n=124) (22 = EUR, 27 = AFR, 24 = ASI, 22 = AMR) | (11) |
|           | VTN | Chr 17 26694298-26697373 | -0.61777 | Value not reported | |
| Balancing | ABO | Chr 9 136130563-136150630 | -0.07299 | 2.035 EUR (n=23) 1.772 AFR (n=24) | (4, 6) (12) |
|           | BPIFB4 | Chr 20 31669318-316699557 | -0.56074 | Value not reported | (7) |
| Gene      | Chromosome  | Position          | Z-score | P-value   | Notes               |
|-----------|-------------|-------------------|---------|-----------|---------------------|
| BTN1A1    | Chr 6       | 26500577-26510653 | -0.57767| Value not reported | (7)     |
| CDSN      | Chr 6       | 31082865-31088252, complement | 0.33367 | Value not reported | (7)     |
| CLCNKB    | Chr 10      | 16370231-16383821 | -0.34419| Value not reported | (7)     |
| ERAP2     | Chr 5       | 96211644-96255420 | -0.30469| 1.526 (n=180) | (3)     |
| GRIN3A    | Chr 9       | 104331634-104500862, complement | -0.53335 | Value not reported | (7)     |
| HLAA      | Chr 6       | 29910247-29913661 | 0.656452| 2.9 (n=205) | (7, 13, 14) |
| HLAB      | Chr 6       | 31321649-31324989, complement | 0.354656 | 2.4 (n=205) | (7, 13, 14) |
| KRT6C     | Chr 12      | 52862300-52867569, complement | -0.32544 | Value not reported | (7)     |
| KRT84     | Chr 12      | 52771596-52779417, complement | -0.34531 | Value not reported | (7)     |
| TRIM22    | Chr 11      | 5710817-5732093   | -0.37645| Value not reported | (7)     |
| **Positive** |           |                   |         |           |                     |
| ABHD1     | Chr 2       | 27346632-27353680 | -0.72632| Value not reported | (8)     |
| ALMS1     | Chr 2       | 73612886-73837047 | -0.67787| Value not reported | (8)     |
| APOBEC3 F | Chr 22      | 39436609-39451977 | -0.67458| Value not reported | (8)     |
| APOBEC3 G | Chr 22      | 39473010-39483748 | -0.67032| Value not reported | (8)     |
|     | Gene | Chromosome | Start/End | Value | Source |
|-----|------|------------|-----------|-------|--------|
| CD36 |     | Chr 7      | 80231504-80308593 | -0.5766 | (8) |
| CD58 |     | Chr 1      | 117057156-11713715, complement | -0.70801 | Value not reported (8) |
| CD72 |     | Chr 9      | 335609976-35618862, complement | -0.7711 | Value not reported (8) |
| EDAR |     | Chr 2      | 109510927-109605828 | -0.66222 | Value not reported (8, 15) |
| FAF1 |     | Chr 1      | 50906935-51425936, complement | -0.73988 | Value not reported (8) |
| GRAP2 |   | Chr 22     | 40297086-40369347 | -0.7289 | Value not reported (8) |
| HYAL3 |    | Chr 3      | 50330259-50336899, complement | -0.73139 | Value not reported (8) |
| ITGAE |    | Chr 17     | 3617919-3704537, complement | -0.57616 | Value not reported (8) |
| KEL  |     | Chr 7      | 142638201-142659503 | -0.76554 | -2.467 EUR (n=23), -0.823 AFR (n=24) (6) |
| LCT  |     | Chr 2      | 136545415-136594750, complement | -0.61215 | Value not reported (16) |
| NPAP1 |    | Chr 15     | 24920541-24928593 | -0.74745 | Value not reported (8) |
| PRM1 |     | Chr 16     | 11374693-11375192, complement | -0.84476 | Value not reported (8) |
| PRM2 |     | Chr 16     | 11369493-11370073 | -0.91328 | Value not reported (8) |
| Gene   | Chromosome | Position | SNP Effect | P-value | Reference(s) |
|--------|------------|----------|------------|---------|--------------|
| PROS1  | Chr 3      | 93591881-93692934, complement | -0.80824 | -1.44 (n = 47) (24 = AFR, 23 = EUR) | (17) |
| RBAK   | Chr 7      | 5085452-5112854 | -0.62683 | Value not reported | (8) |
| RHCE   | Chr 1      | 25687853-25747363, complement | -0.63686 | Value not reported | (8) |
| SLC24A5| Chr 15     | 48413169-48434926 | -0.73307 | Value not reported | (8) |
| SYT1   | Chr 12     | 79257773-79845788 | -0.66917 | Value not reported | (8) |
| TRPV6  | Chr 7      | 142568956-142583490 | -0.67565 | -2.865 EUR (n=23) 0.893 AFR (n=24) | (6, 18, 19) |