| Phenotype | ID | Main analysis | | | Validation | | | | | Main analysis | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | OR | P Value | N | OR | P Value | Lower | Upper | Lower | Upper |
| One-dose antibody response | rs9461694 | 59,088 | 0.87 | 1.4e-08 | 10,188 | 0.94 | 3.1e-01 | 0.8414117 | 1.0562332 | 0.8254424 | 0.9109638 |
| One-dose antibody response | rs2523496 | 63,729 | 0.93 | 5.0e-08 | 10,991 | 0.95 | 1.7e-01 | 0.8919633 | 1.0202768 | 0.9052050 | 0.9541653 |
| One-dose antibody response | 6:32255712\_CAGTT\_C | 64,027 | 0.84 | 3.0e-14 | 11,041 | 0.97 | 5.5e-01 | 0.8904550 | 1.0635331 | 0.8059847 | 0.8805299 |
| One-dose antibody response | rs9268465 | 63,548 | 1.09 | 5.9e-09 | 10,926 | 1.14 | 3.0e-04 | 1.0624277 | 1.2259002 | 1.0594331 | 1.1234045 |
| One-dose antibody response | 6:32419074\_CT\_C | 63,914 | 0.86 | 1.3e-25 | 11,016 | 0.89 | 8.9e-04 | 0.8292865 | 0.9528837 | 0.8415412 | 0.8886199 |
| One-dose antibody response | rs9268847 | 63,672 | 0.86 | 1.1e-20 | 10,950 | 0.85 | 4.4e-06 | 0.7870920 | 0.9082988 | 0.8373355 | 0.8905861 |
| One-dose antibody response | 6:32440321\_CTG\_C | 63,231 | 1.26 | 9.2e-09 | 10,915 | 1.21 | 4.0e-02 | 1.0089158 | 1.4564933 | 1.1644457 | 1.3633553 |
| One-dose antibody response | rs565122319 | 63,688 | 0.78 | 3.3e-08 | 10,953 | 0.89 | 1.4e-01 | 0.7541550 | 1.0403086 | 0.7191629 | 0.8547446 |
| One-dose antibody response | rs145945003 | 63,532 | 1.32 | 2.8e-15 | 10,909 | 1.22 | 1.7e-02 | 1.0372171 | 1.4433759 | 1.2313619 | 1.4126130 |
| One-dose antibody response | rs7763805 | 62,686 | 1.11 | 2.7e-08 | 10,686 | 1.08 | 1.5e-01 | 0.9748611 | 1.1887756 | 1.0696341 | 1.1510095 |
| Two-dose antibody response | rs3094106 | 39,055 | 0.89 | 8.4e-09 | 6,946 | 1.09 | 1.4e-01 | 0.9732248 | 1.2140305 | 0.8512985 | 0.9238112 |
| Two-dose antibody response | rs114903158 | 37,649 | 0.86 | 3.9e-11 | 6,569 | 0.94 | 2.1e-01 | 0.8419524 | 1.0392361 | 0.8258245 | 0.9013884 |
| Breakthrough susceptibility | rs1977830 | 199,284 | 0.94 | 1.2e-11 | 42,134 | 0.98 | 2.9e-01 | 0.9426505 | 1.0175510 | 0.9239017 | 0.9573068 |
| Breakthrough susceptibility | rs778809 | 202,596 | 1.07 | 1.3e-18 | 43,341 | 1.06 | 9.0e-04 | 1.0243416 | 1.0979236 | 1.0575462 | 1.0919829 |
| Breakthrough susceptibility | rs11673136 | 202,596 | 1.08 | 5.0e-26 | 43,341 | 1.06 | 9.8e-04 | 1.0230857 | 1.0939375 | 1.0670812 | 1.0991655 |
| Breakthrough susceptibility | rs681343 | 202,596 | 0.94 | 4.6e-14 | 43,341 | 0.94 | 5.2e-04 | 0.9100255 | 0.9741306 | 0.9305248 | 0.9585823 |
| Breakthrough susceptibility | rs59776512 | 202,018 | 1.11 | 3.9e-12 | 43,126 | 1.10 | 4.3e-03 | 1.0297469 | 1.1711364 | 1.0789822 | 1.1454983 |
| Breakthrough susceptibility | rs73062389 | 202,596 | 1.22 | 4.1e-38 | 43,341 | 1.22 | 1.7e-07 | 1.1309427 | 1.3108246 | 1.1854784 | 1.2599444 |
| Breakthrough susceptibility | rs71322420 | 197,848 | 0.93 | 8.1e-12 | 41,981 | 0.96 | 9.2e-02 | 0.9174905 | 1.0065722 | 0.9166978 | 0.9529289 |
| Breakthrough susceptibility | rs16861415 | 202,133 | 0.84 | 4.4e-33 | 43,130 | 0.88 | 3.4e-04 | 0.8184277 | 0.9430652 | 0.8195256 | 0.8666913 |
| Breakthrough susceptibility | rs13097481 | 191,584 | 1.04 | 1.7e-08 | 40,657 | 1.04 | 3.0e-02 | 1.0038684 | 1.0764800 | 1.0290295 | 1.0609158 |
| Breakthrough severity | rs62038344 | 47,791 | 0.57 | 1.2e-10 | 9,331 | 0.98 | 8.8e-01 | 0.7043611 | 1.3500244 | 0.4846706 | 0.6795175 |