

| Ab(100nM) | Elisa Binding  |              |                |              | Elisa blocking |                |
|-----------|----------------|--------------|----------------|--------------|----------------|----------------|
| Clone ID  | SARS-CoV-2 RBD | SARS-CoV-2 S | SARS-CoV-1 RBD | SARS-CoV-1 S | SARS-CoV-2 RBD | SARS-CoV-1 RBD |
| P7-8      | 4.2502         | 4.3763       | 0.0610         | 0.0464       | 95%            | 91%            |
| P7-7      | 4.0483         | 3.8135       | 3.8903         | 4.1519       | 87%            | 97%            |
| P7-21     | 4.3994         | 4.1488       | 0.2980         | 0.2028       | 7%             | -3%            |
| P7-19     | 4.3685         | 3.3817       | 0.0646         | 0.0459       | -7%            | 10%            |
| P7-15     | 1.2669         | 1.2404       | 1.4939         | 0.6100       | 98%            | 98%            |
| P7-1      | 3.7043         | 4.3960       | 5.1859         | 3.6998       | -40%           | -29%           |
| P5-8      | 0.2071         | 2.3619       | N.D            | 3.3094       | -12%           | -14%           |
| P5-66     | 4.4882         | 4.3759       | N.D            | 0.0927       | -80%           | -8%            |
| P5-65     | 3.9985         | 3.9110       | 0.1185         | 0.0549       | 98%            | 1%             |
| P5-63     | 4.0161         | 3.9529       | 3.9959         | 4.1073       | -3%            | 61%            |
| P5-61     | 4.1937         | 3.8526       | N.D            | 0.5276       | -44%           | -0%            |
| P5-6      | 4.5471         | 3.9674       | N.D            | 2.615        | -31%           | 47%            |
| P5-57     | 0.3511         | 1.2524       | N.D            | 0.0858       | 14%            | 3%             |
| P5-53     | 4.0525         | 4.0014       | N.D            | 2.115        | -39%           | 5%             |
| P5-52     | 4.1561         | 4.1263       | N.D            | 3.7775       | -5%            | -4%            |
| P5-51     | 3.8747         | 3.9836       | 3.7675         | 4.0917       | 50%            | 86%            |
| P5-50     | 4.0942         | 3.9896       | N.D            | 3.7571       | -8%            | -5%            |
| P5-5      | 3.9843         | 3.3390       | 3.3910         | 2.4949       | 97%            | 46%            |
| P5-47     | 4.1587         | 4.4435       | N.D            | 4.179        | -82%           | -146%          |
| P5-45     | 4.257          | 4.1713       | N.D            | 0.107        | 98%            | -0%            |
| P5-40     | 3.4371         | 3.6523       | N.D            | 0.0694       | 96%            | 13%            |
| P5-4      | 3.2688         | 2.0709       | N.D            | 0.0629       | 58%            | 3%             |
| P5-39     | 3.9490         | 3.4196       | N.D            | 3.9737       | -31%           | 20%            |
| P5-38     | 3.9566         | 1.5454       | N.D            | 0.0584       | -63%           | 6%             |
| P5-37     | 0.1614         | 3.0954       | N.D            | 0.1387       | -7%            | -10%           |
| P5-36     | 4.1778         | 4.3574       | N.D            | 4.2905       | 82%            | 93%            |
| P5-33     | 4.2338         | 4.6682       | N.D            | 0.3447       | 98%            | -7%            |
| P5-32     | 4.1741         | 4.1885       | N.D            | 4.2413       | 51%            | 88%            |
| P5-31     | 3.2966         | 3.1508       | N.D            | 2.9438       | -73%           | 33%            |
| P5-30     | 4.0466         | 3.7939       | 0.1501         | 0.1997       | 98%            | -22%           |
| P5-3      | 3.9827         | 4.0687       | N.D            | 4.1369       | 31%            | 85%            |
| P5-29     | 4.3694         | 2.7711       | N.D            | 0.0701       | -72%           | -3%            |
| P5-25     | 0.6596         | 0.5108       | N.D            | 0.0933       | -7%            | -4%            |
| P5-22     | 4.3081         | 4.2351       | N.D            | 0.0899       | 98%            | -4%            |
| P5-21     | 2.5593         | 1.6318       | 0.2126         | 0.1441       | -10%           | -5%            |
| P5-20     | 3.5828         | 1.8661       | N.D            | 0.123        | 24%            | 21%            |
| P5-2      | 4.2815         | 4.2986       | N.D            | 2.2713       | 2%             | 54%            |
| P5-17     | 2.9917         | 2.4429       | N.D            | 0.383        | 92%            | -3%            |
| P5-16     | 4.2453         | 4.3335       | N.D            | 0.0512       | -60%           | -0%            |
| P5-15     | 0.3075         | 3.2954       | 0.0543         | 0.0506       | -0%            | -23%           |
| P5-14     | 0.0971         | 3.6049       | N.D            | 0.0609       | 5%             | -10%           |
| P5-13     | 3.9499         | 1.4558       | 2.0327         | 2.1970       | 5%             | -24%           |
| P5-12     | 4.309          | 4.3031       | N.D            | 0.2815       | -57%           | 0%             |
| P5-1      | 0.1097         | 1.3021       | N.D            | 0.0663       | -1%            | -1%            |
| P3-8      | 0.0884         | 2.3654       | 0.0791         | 1.8635       | 22%            | 5%             |
| P3-7      | 4.1317         | 4.0820       | 4.2850         | 4.0417       | -14%           | 32%            |
| P3-27     | 0.8506         | 0.8626       | 0.1217         | 0.0946       | 2%             | 5%             |
| P3-26     | 0.0693         | 3.2693       | 0.0750         | 0.1024       | -6%            | -2%            |
| P3-25     | 4.1636         | 4.0203       | 4.0936         | 3.9653       | 74%            | 91%            |
| P3-21     | 4.1413         | 4.0276       | 4.0636         | 4.0483       | -39%           | -36%           |
| P3-2      | 2.6028         | 2.3917       | 0.0691         | 0.0498       | 97%            | 22%            |
| P3-17     | 4.1381         | 3.9267       | 0.1293         | 0.1354       | 94%            | -3%            |
| P3-12     | 0.1420         | 3.8206       | 0.1334         | 4.0188       | -11%           | -3%            |
| P3-11     | 2.4426         | 2.7888       | 0.0602         | 0.0852       | 97%            | 4%             |
| P3-10     | 4.1072         | 3.8822       | 3.9431         | 2.4242       | 38%            | 30%            |
| P28-61    | 3.539          | 3.240        | 0.083          | 0.065        | 96%            | -1%            |
| P28-60    | 3.677          | 3.409        | 3.758          | 3.609        | -8%            | 60%            |
| P28-51    | 3.507          | 3.254        | 3.442          | 3.241        | -13%           | -4%            |
| P28-46    | 0.123          | 3.040        | 0.098          | 3.218        | 2%             | 0%             |
| P28-35    | 3.612          | 3.365        | 3.664          | 3.491        | 65%            | 92%            |
| P28-34    | 0.074          | 2.885        | 0.083          | 0.078        | -7%            | -6%            |
| P28-33    | 0.116          | 3.123        | 0.101          | 2.804        | -6%            | -6%            |
| P28-32    | 3.352          | 3.344        | 3.604          | 3.325        | 26%            | 44%            |
| P28-31    | 3.081          | 1.899        | 0.342          | 0.104        | -23%           | -0%            |
| P28-30    | 2.997          | 3.307        | 0.109          | 0.088        | 95%            | 2%             |

|        |        |        |        |        |       |       |
|--------|--------|--------|--------|--------|-------|-------|
| P28-3  | 2.869  | 3.258  | 3.614  | 3.000  | -39%  | -25%  |
| P28-27 | 3.625  | 3.215  | 3.656  | 3.277  | 52%   | 79%   |
| P28-25 | 0.265  | 2.782  | 0.240  | 0.521  | 8%    | -6%   |
| P28-16 | 3.385  | 3.253  | 3.586  | 3.243  | -47%  | -40%  |
| P28-15 | 3.500  | 3.241  | 3.593  | 2.966  | -60%  | -19%  |
| P28-11 | 3.679  | 3.258  | 1.644  | 0.070  | 94%   | -2%   |
| P23-9  | 0.273  | 3.232  | 0.219  | 0.135  | -18%  | -37%  |
| P23-7  | 2.053  | 2.976  | 2.284  | 2.698  | -29%  | -23%  |
| P23-6  | 2.058  | 3.218  | 0.095  | 0.082  | 35%   | 12%   |
| P23-37 | 3.081  | 2.640  | 0.126  | 0.086  | 67%   | 57%   |
| P23-36 | 3.510  | 3.395  | 3.599  | 0.630  | -21%  | 39%   |
| P23-34 | 2.271  | 2.679  | 3.740  | 0.857  | -100% | 33%   |
| P23-33 | 2.579  | 3.131  | 3.314  | 3.370  | 94%   | 92%   |
| P23-30 | 2.022  | 3.493  | 3.107  | 3.342  | -70%  | -61%  |
| P23-29 | 2.839  | 3.159  | 0.322  | 0.172  | 83%   | -20%  |
| P23-26 | 2.689  | 2.803  | 0.242  | 0.101  | -51%  | 1%    |
| P23-25 | 1.806  | 2.894  | 1.731  | 0.525  | 94%   | 17%   |
| P23-19 | 3.488  | 3.867  | 3.039  | 3.383  | -44%  | 15%   |
| P23-16 | 0.073  | 3.728  | 0.081  | 2.121  | -4%   | -3%   |
| P23-15 | 0.470  | 2.629  | 0.515  | 2.634  | -10%  | -27%  |
| P23-12 | 0.094  | 3.259  | 0.098  | 0.085  | -12%  | -35%  |
| P23-1  | 3.521  | 3.357  | 0.116  | 0.100  | 89%   | 59%   |
| P21-9  | 1.046  | 2.924  | 0.730  | 0.520  | -27%  | -32%  |
| P21-7  | 0.077  | 2.910  | 0.088  | 0.066  | 1%    | -14%  |
| P21-17 | 2.542  | 3.408  | 3.544  | 2.114  | -14%  | 40%   |
| P21-15 | 0.924  | 0.903  | 0.369  | 0.111  | -5%   | -9%   |
| P21-12 | 2.235  | 2.884  | 3.229  | 3.232  | 93%   | 82%   |
| P21-1  | 1.954  | 1.894  | 2.176  | 1.874  | 95%   | 95%   |
| P1-9   | 0.0544 | 3.9975 | 0.0564 | 2.0244 | 98%   | 84%   |
| P17-8  | 2.054  | 1.918  | 0.337  | 0.064  | 93%   | -15%  |
| P17-7  | 1.654  | 1.705  | 2.464  | 2.582  | -35%  | -7%   |
| P17-6  | 0.195  | 2.097  | 0.133  | 1.282  | -20%  | -31%  |
| P17-5  | 0.287  | 1.907  | 0.260  | 0.378  | -20%  | -31%  |
| P17-4  | 2.036  | 1.951  | 3.046  | 2.669  | -48%  | -54%  |
| P17-3  | 0.706  | 2.097  | 0.683  | 0.374  | -6%   | 8%    |
| P17-24 | 0.499  | 2.448  | 0.469  | 0.244  | -5%   | 0%    |
| P17-13 | 2.125  | 1.723  | 2.171  | 2.876  | 93%   | 95%   |
| P17-10 | 3.191  | 2.406  | 0.107  | 0.084  | 95%   | -2%   |
| P17-1  | 0.134  | 1.899  | 0.110  | 0.307  | -10%  | 0%    |
| P16-9  | 0.0589 | 2.8610 | 0.0671 | 0.0691 | 5%    | -1%   |
| P16-8  | 0.0624 | 2.6898 | 0.0807 | 0.0630 | 9%    | -2%   |
| P16-7  | 0.0564 | 2.8706 | 0.0669 | 0.0475 | 3%    | -8%   |
| P16-5  | 0.0668 | 2.7903 | 0.0897 | 0.3659 | 3%    | -7%   |
| P16-4  | 0.0703 | 2.8042 | 0.0696 | 0.0876 | 39%   | 25%   |
| P16-33 | 3.3546 | 3.1989 | 1.1396 | 0.0657 | 96%   | 16%   |
| P16-30 | 3.0938 | 3.0159 | 0.2384 | 0.1000 | 97%   | 17%   |
| P16-29 | 2.7171 | 2.3627 | 3.1954 | 2.3262 | -53%  | -5%   |
| P16-23 | 2.9572 | 3.0269 | 2.8364 | 1.9680 | -3%   | 8%    |
| P16-22 | 0.0644 | 2.3019 | 0.0619 | 0.0465 | 15%   | -0%   |
| P16-21 | 0.1901 | 3.0833 | 0.1319 | 0.5408 | 2%    | -3%   |
| P16-20 | 3.3553 | 2.1888 | 0.0578 | 0.0473 | 95%   | -4%   |
| P16-18 | 0.0653 | 3.2482 | 0.0765 | 3.2581 | 1%    | -4%   |
| P16-15 | 2.9651 | 3.0675 | 0.0679 | 0.0563 | 97%   | -2%   |
| P16-14 | 0.0703 | 2.6885 | 0.0666 | 1.8287 | 27%   | 17%   |
| P16-11 | 0.0644 | 2.8865 | 0.0812 | 0.0522 | 9%    | -4%   |
| P16-1  | 0.0623 | 2.6729 | 0.0618 | 0.0557 | 29%   | 23%   |
| P15-9  | 3.4526 | 4.0610 | 0.5274 | 1.1141 | -132% | -79%  |
| P15-8  | 4.0364 | 3.9338 | 0.0694 | 0.0622 | -304% | -86%  |
| P15-6  | 3.8858 | 3.9283 | 3.5189 | 3.0455 | -317% | -63%  |
| P15-5  | 3.9665 | 3.8872 | 0.1518 | 0.0804 | -409% | -299% |
| P15-34 | 3.8054 | 3.7718 | 0.0659 | 0.0607 | 90%   | -38%  |
| P15-32 | 0.1159 | 3.4958 | 0.0710 | 0.1147 | -116% | -176% |
| P15-28 | 3.2345 | 3.7484 | 0.0641 | 0.0558 | 90%   | -287% |
| P15-25 | 3.8775 | 3.6823 | 0.0703 | 0.0708 | -412% | -303% |
| P15-24 | 3.9011 | 3.6230 | 0.0784 | 0.0608 | -506% | -272% |
| P15-23 | 3.1792 | 3.9273 | 3.8987 | 3.9159 | -96%  | -12%  |
| P15-22 | 3.8877 | 3.5469 | 0.0615 | 0.0516 | 89%   | -27%  |
| P15-20 | 4.0407 | 3.7150 | 1.8955 | 0.0921 | -186% | -98%  |
| P15-16 | 3.5466 | 3.9138 | 3.9895 | 4.0392 | 90%   | 86%   |
| P15-15 | 0.0839 | 3.6319 | 0.0624 | 0.0523 | -172% | -340% |

|        |        |        |        |        |       |       |
|--------|--------|--------|--------|--------|-------|-------|
| P15-12 | 3.5878 | 3.9647 | 0.2241 | 0.0590 | 91%   | 1%    |
| P15-1  | 3.8927 | 3.9292 | 3.7084 | 3.5267 | -281% | -263% |
| P14-9  | 2.686  | 2.9828 | 2.9702 | 2.8044 | -117% | 6%    |
| P14-53 | 3.8725 | 3.9155 | 0.0758 | 0.0597 | 93%   | -22%  |
| P14-46 | 3.6827 | 3.7503 | 0.1366 | 0.0910 | 92%   | -15%  |
| P14-45 | 3.9155 | 4.1354 | 4.0011 | 3.8582 | -159% | -13%  |
| P14-44 | 3.6573 | 3.9675 | 4.0181 | 3.9551 | 96%   | 95%   |
| P14-43 | 3.5594 | 3.9756 | 3.2138 | 1.8407 | -113% | 14%   |
| P14-4  | 0.3656 | 2.8611 | 0.1586 | 0.0767 | 13%   | 7%    |
| P14-37 | 3.6978 | 3.2845 | 0.1488 | 0.0994 | 96%   | -18%  |
| P14-35 | 3.9243 | 3.9077 | 0.4375 | 0.0687 | -78%  | -22%  |
| P14-30 | 3.4604 | 3.8251 | 4.1396 | 3.7949 | -137% | -35%  |
| P14-25 | 3.5656 | 3.7130 | 4.0130 | 3.7607 | 94%   | 77%   |
| P14-23 | 0.1913 | 3.8354 | 0.1076 | 0.0656 | -23%  | -21%  |
| P14-21 | 3.6828 | 2.5039 | 2.1849 | 0.2269 | -8%   | -15%  |
| P14-20 | 2.4137 | 3.8654 | 4.0051 | 3.3396 | 96%   | 7%    |
| P14-19 | 2.9434 | 3.7935 | 3.8571 | 3.6271 | -163% | -17%  |
| P14-16 | 0.1137 | 2.7224 | 0.1211 | 0.0604 | -0%   | -11%  |
| P14-15 | 2.565  | 2.8906 | 3.0083 | 2.9503 | -16%  | 80%   |
| P14-13 | 3.8105 | 3.8657 | 0.7507 | 0.2519 | -171% | -17%  |
| P14-12 | 3.9961 | 4.0473 | 0.1124 | 0.0918 | -200% | -19%  |
| P14-1  | 2.4508 | 2.8777 | 0.1252 | 0.0547 | 45%   | 16%   |
| P1-4   | 3.1960 | 2.1737 | 3.6194 | 4.1209 | -190% | -97%  |
| P13-4  | 0.0888 | 2.8144 | 0.1087 | 0.3931 | 9%    | 7%    |
| P13-12 | 3.3802 | 3.0266 | 3.5067 | 2.8901 | 6%    | 71%   |
| P12-9  | 0.070  | 2.294  | 0.072  | 0.058  | -7%   | -0%   |
| P1-28  | 0.1309 | 3.8611 | 0.1326 | 0.1233 | -10%  | -19%  |
| P1-23  | 0.1560 | 3.6941 | 0.1640 | 3.6185 | 0%    | -3%   |
| P1-22  | 0.1072 | 3.0702 | 0.1246 | 3.5378 | -2%   | -1%   |
| P1-17  | 0.2300 | 3.6908 | 0.1856 | 0.1166 | -8%   | -3%   |
| P10-8  | 0.0512 | 2.7697 | 0.0572 | 0.0407 | -10%  | -2%   |
| P10-4  | 2.7633 | 2.8592 | 0.1092 | 0.0878 | 97%   | -9%   |
| P10-21 | 2.9104 | 2.9824 | 2.2597 | 1.2712 | -72%  | -2%   |
| P10-20 | 2.8938 | 3.0155 | 0.0568 | 0.0409 | 97%   | -4%   |
| P10-16 | 2.7845 | 2.9171 | 0.0662 | 0.0455 | -120% | 8%    |
| P10-12 | 0.0473 | 1.9893 | 0.0548 | 0.0393 | 27%   | 17%   |
|        |        |        |        |        |       |       |
| P5-60  | 4.1073 | 0.4917 | N.D    | 0.0693 | 2%    | -4%   |
| P14-8  | 0.5659 | 0.4847 | 0.1287 | 0.0748 | 13%   | -0%   |
| P10-11 | 0.5032 | 0.4672 | 0.0575 | 0.04   | 18%   | 3%    |
| P23-17 | 0.413  | 0.419  | 0.127  | 0.114  | -42%  | -33%  |
| P5-10  | 0.7358 | 0.3773 | 0.7735 | 0.2847 | -7%   | -26%  |
| P17-9  | 0.838  | 0.353  | 0.644  | 0.484  | -9%   | -12%  |
| P1-24  | 0.4752 | 0.3113 | 0.4389 | 0.3566 | -12%  | -14%  |
| P7-23  | 0.4395 | 0.3064 | 0.1112 | 0.1285 | -5%   | 4%    |
| P3-13  | 0.5915 | 0.2986 | 0.5235 | 0.2804 | -13%  | -2%   |
| P5-24  | 0.3649 | 0.2904 | 0.2104 | 0.2708 | 4%    | -29%  |
| P1-27  | 0.3008 | 0.2860 | 0.3595 | 0.3317 | -13%  | -11%  |
| P17-20 | 0.295  | 0.223  | 0.197  | 0.135  | -14%  | -13%  |
| P5-54  | 0.2442 | 0.2222 | N.D    | 0.1033 | 6%    | -2%   |
| P1-26  | 0.3548 | 0.2189 | 0.3492 | 0.2312 | -2%   | 12%   |
| P3-22  | 0.2274 | 0.2040 | 0.1372 | 0.1103 | -10%  | -5%   |
| P3-23  | 0.2126 | 0.1997 | 0.2305 | 0.1486 | -8%   | -6%   |
| P5-9   | 0.306  | 0.1967 | N.D    | 0.119  | -1%   | -12%  |
| P17-19 | 0.209  | 0.185  | 0.291  | 0.096  | -14%  | -20%  |
| P1-20  | 0.2009 | 0.1831 | 0.2614 | 0.1433 | -10%  | 11%   |
| P5-55  | 0.3313 | 0.1733 | 0.0836 | 0.0777 | 4%    | -12%  |
| P5-34  | 0.2086 | 0.1644 | N.D    | 0.107  | 1%    | -2%   |
| P10-23 | 0.1815 | 0.1617 | 0.0543 | 0.0372 | -1%   | -6%   |
| P10-6  | 0.137  | 0.1542 | 0.0736 | 0.053  | -10%  | 19%   |
| P1-18  | 0.2224 | 0.1433 | 0.1912 | 0.1134 | -8%   | -11%  |
| P1-2   | 0.3328 | 0.1398 | 0.2510 | 0.1416 | 7%    | 3%    |
| P17-15 | 0.124  | 0.138  | 0.172  | 0.109  | -18%  | -22%  |
| P15-7  | 0.1687 | 0.1355 | 0.1030 | 0.0692 | -139% | -180% |
| P15-18 | 0.1543 | 0.1353 | 0.1599 | 0.1070 | -96%  | -120% |
| P15-17 | 0.1585 | 0.1333 | 0.1312 | 0.0967 | -129% | -186% |

