|  |  |  |  |
| --- | --- | --- | --- |
|  | Bloom’s Contact Sites (within 4 A) | Side-chain contacts within 3 A | Interaction |
| Vrc01 | 276,278,279,280,281,  282,362,365,366,367,368,371 | '199', '278', '279', '280',  '365', '368', '459' | Chain G and U |
| 3BNC117 | 198,207,276,278,279,280,281,282,  306,316,365,366,367,368,371,392,  428,430,456,457,458,459,  460,461,462,463,464,465,469 | '207', '278', '279', '282', '365', '461', '463', '465', '469', | Gp120 and heavy chain |
| 101074 | 301,322,324,325,326,  327,328,330,332,417 | '325', '327' | Chain G and light chain |
| Pg9 | 164,165,166,167,168,170,172,173 | 160', '162', '164', '165', '166', '167', '168', '169', '170', '171', '172', '173', '223', '242' | Chain G,J and heavy chain |
| Pgt145 | 160,161,162,166,167,168,169 | '166', '169' | Gp120 and heavy chain |
| Pgt151 | 245,246,262,512,513,514,515,516,517,519,  521,522,542,543,549,550,554,  592,611,637,638,640,641,643,644 | '519', '542', '550',  '554', '640', '647' | HIV\_2 and heavy chain |
| Vrc34 | 229,230,231,241,512,513,  514,515,516,517,518,519,520 | '229', '513', '515', '516', '517' | Gp41 and heavy chain |
| 10e8 | 665,668,669,670,671,672,  673,676,677,679,680,683 | '672', '683', | Gp41 and heavy chain |
| Pgt121  (actually is PGT122) | 322,324,325,326,327,328,330,332,417 | '135', '325','327' | Chain G and heavy chain |