Supplemental Table 2. Peptide scan sequences of CCHFV Gc region and the signal from Gc-targeting MAbs and mouse polyclonal antibodies.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sequence | Peptide Name | Control Mouse IgG | | Sample 1H6 | | Sample 3E3 | | Sample 8A1 | | Sample 11E7 | | Sample 12A9 | | Sample 13G5 | | Sample 30F7 | | Sample HMAF | |
|  |  | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) | Raw Signal | Change (Fold) |
| Mouse IgG | Control | 65112.0 |  | 65427.3 |  | 64669.0 |  | 64966.0 |  | 65535.0 |  | 65535.0 |  | 65535.0 |  | 65524.7 |  | 63157.0 |  |
| FLDSTAKGMKNLLNS | 1.0 | 67.0 | 1.0 | 71.3 | 1.1 | 939.5 | 14.1 | 66.5 | 1.0 | 77.0 | 1.1 | 85.3 | 1.3 | 74.7 | 1.1 | 72.7 | 1.1 | 1315.0 | 20.2 |
| TAKGMKNLLNSTSLE | 2.0 | 64.0 | 1.0 | 91.3 | 1.4 | 1532.0 | 24.1 | 96.0 | 1.5 | 183.0 | 2.8 | 133.0 | 2.1 | 127.3 | 2.0 | 111.5 | 1.7 | 2232.7 | 36.0 |
| MKNLLNSTSLETSLS | 3.0 | 73.3 | 1.0 | 74.5 | 1.0 | 1250.5 | 17.2 | 130.3 | 1.8 | 230.7 | 3.1 | 767.0 | 10.4 | 402.0 | 5.4 | 289.7 | 3.9 | 4502.7 | 63.3 |
| LNSTSLETSLSIEAP | 4.0 | 49.3 | 1.0 | 56.0 | 1.1 | 1375.7 | 28.1 | 161.7 | 3.3 | 535.0 | 10.8 | 741.7 | 14.9 | 366.7 | 7.4 | 309.7 | 6.2 | 5371.3 | 112.2 |
| SLETSLSIEAPWGAI | 5.0 | 61.3 | 1.0 | 75.0 | 1.2 | 1783.3 | 29.3 | 406.3 | 6.6 | 927.0 | 15.0 | 2274.3 | 36.8 | 902.7 | 14.6 | 596.3 | 9.7 | 16216.7 | 272.6 |
| SLSIEAPWGAINVQS | 6.0 | 60.3 | 1.0 | 101.7 | 1.7 | 1627.3 | 27.2 | 115.3 | 1.9 | 196.5 | 3.2 | 246.7 | 4.1 | 381.3 | 6.3 | 182.3 | 3.0 | 4364.7 | 74.6 |
| EAPWGAINVQSTYKP | 7.0 | 101.7 | 1.0 | 126.7 | 1.2 | 1805.0 | 17.9 | 236.3 | 2.3 | 363.3 | 3.6 | 477.0 | 4.7 | 474.3 | 4.6 | 210.7 | 2.1 | 5042.3 | 51.1 |
| GAINVQSTYKPTVST | 8.0 | 92.0 | 1.0 | 101.7 | 1.1 | 2514.0 | 27.5 | 128.0 | 1.4 | 358.0 | 3.9 | 289.0 | 3.1 | 293.0 | 3.2 | 230.0 | 2.5 | 4964.0 | 55.6 |
| VQSTYKPTVSTANIA | 9.0 | 72.3 | 1.0 | 130.3 | 1.8 | 2384.0 | 33.2 | 116.3 | 1.6 | 300.5 | 4.1 | 281.0 | 3.9 | 297.3 | 4.1 | 184.0 | 2.5 | 4339.3 | 61.8 |
| YKPTVSTANIALSWS | 10.0 | 205.7 | 1.0 | 194.7 | 0.9 | 2179.3 | 10.7 | 310.7 | 1.5 | 950.7 | 4.6 | 2319.3 | 11.2 | 679.3 | 3.3 | 433.0 | 2.1 | 9200.0 | 46.1 |
| VSTANIALSWSSVEH | 11.0 | 147.3 | 1.0 | 283.7 | 1.9 | 5913.0 | 40.4 | 1076.0 | 7.3 | 2296.3 | 15.5 | 7621.0 | 51.4 | 2221.0 | 15.0 | 1042.3 | 7.0 | 29834.0 | 208.8 |
| NIALSWSSVEHRGNK | 12.0 | 323.7 | 1.0 | 583.3 | 1.8 | 5524.0 | 17.2 | 1257.0 | 3.9 | 3580.3 | 11.0 | 2670.3 | 8.2 | 1300.0 | 4.0 | 1953.3 | 6.0 | 51848.7 | 165.2 |
| SWSSVEHRGNKILVS | 13.0 | 157.0 | 1.0 | 243.0 | 1.5 | 2570.7 | 16.5 | 605.0 | 3.9 | 1701.3 | 10.8 | 1037.7 | 6.6 | 976.3 | 6.2 | 914.0 | 5.8 | 39658.3 | 260.4 |
| VEHRGNKILVSGRSE | 14.0 | 254.7 | 1.0 | 370.7 | 1.4 | 4511.3 | 17.8 | 408.0 | 1.6 | 1709.7 | 6.7 | 1262.3 | 4.9 | 1424.7 | 5.6 | 1474.3 | 5.8 | 26527.3 | 107.4 |
| GNKILVSGRSESIMK | 15.0 | 322.0 | 1.0 | 578.3 | 1.8 | 4545.7 | 14.2 | 543.3 | 1.7 | 1183.3 | 3.7 | 3925.7 | 12.1 | 1207.0 | 3.7 | 1078.3 | 3.3 | 14468.0 | 46.3 |
| LVSGRSESIMKLEER | 16.0 | 150.7 | 1.0 | 200.0 | 1.3 | 1725.5 | 11.5 | 496.7 | 3.3 | 542.0 | 3.6 | 2466.0 | 16.3 | 665.0 | 4.4 | 553.0 | 3.6 | 10942.0 | 74.9 |
| RSESIMKLEERTGIS | 17.0 | 75.0 | 1.0 | 140.5 | 1.9 | 3516.0 | 47.2 | 142.3 | 1.9 | 421.7 | 5.6 | 297.7 | 3.9 | 356.3 | 4.7 | 197.7 | 2.6 | 5311.0 | 73.0 |
| IMKLEERTGISWDLG | 18.0 | 100.0 | 1.0 | 156.3 | 1.6 | 2936.3 | 29.6 | 811.0 | 8.1 | 804.7 | 8.0 | 3626.0 | 36.0 | 1077.7 | 10.7 | 378.7 | 3.8 | 16699.3 | 172.2 |
| EERTGISWDLGVEDA | 19.0 | 79.7 | 1.0 | 168.0 | 2.1 | 3784.7 | 47.8 | 150.0 | 1.9 | 410.7 | 5.1 | 339.3 | 4.2 | 403.7 | 5.0 | 227.3 | 2.8 | 6630.3 | 85.8 |
| GISWDLGVEDASESK | 20.0 | 74.7 | 1.0 | 180.7 | 2.4 | 4153.0 | 56.0 | 159.0 | 2.1 | 427.3 | 5.7 | 277.7 | 3.7 | 355.7 | 4.7 | 226.0 | 3.0 | 6638.7 | 91.7 |
| DLGVEDASESKLLTV | 21.0 | 63.7 | 1.0 | 67.0 | 1.0 | 543.0 | 8.6 | 79.0 | 1.2 | 108.3 | 1.7 | 146.0 | 2.3 | 156.3 | 2.4 | 88.7 | 1.4 | 1072.0 | 17.4 |
| EDASESKLLTVSVMD | 22.0 | 67.0 | 1.0 | 69.0 | 1.0 | 491.7 | 7.4 | 133.3 | 2.0 | 192.0 | 2.8 | 439.7 | 6.5 | 508.7 | 7.5 | 137.3 | 2.0 | 2296.0 | 35.3 |
| ESKLLTVSVMDLSQM | 23.0 | 118.0 | 1.0 | 116.0 | 1.0 | 968.7 | 8.3 | 122.0 | 1.0 | 191.3 | 1.6 | 156.0 | 1.3 | 267.7 | 2.3 | 162.3 | 1.4 | 1270.5 | 11.1 |
| LTVSVMDLSQMYSPV | 24.0 | 55.7 | 1.0 | 90.7 | 1.6 | 1110.7 | 20.1 | 100.7 | 1.8 | 160.0 | 2.9 | 135.3 | 2.4 | 247.0 | 4.4 | 150.3 | 2.7 | 3493.3 | 64.7 |
| VMDLSQMYSPVFEYL | 25.0 | 70.0 | 1.0 | 181.3 | 2.6 | 2195.7 | 31.6 | 251.7 | 3.6 | 1052.7 | 14.9 | 624.7 | 8.9 | 463.0 | 6.6 | 466.7 | 6.6 | 32439.0 | 477.8 |
| SQMYSPVFEYLSGDR | 26.0 | 70.0 | 1.0 | 149.0 | 2.1 | 2074.5 | 29.8 | 205.7 | 2.9 | 516.3 | 7.3 | 376.5 | 5.3 | 378.3 | 5.4 | 312.0 | 4.4 | 16270.7 | 239.6 |
| SPVFEYLSGDRQVGE | 27.0 | 61.0 | 1.0 | 133.0 | 2.2 | 2021.7 | 33.4 | 134.0 | 2.2 | 315.3 | 5.1 | 279.5 | 4.6 | 349.0 | 5.7 | 203.7 | 3.3 | 6415.3 | 108.4 |
| EYLSGDRQVGEWPKA | 28.0 | 121.7 | 1.0 | 158.3 | 1.3 | 2260.0 | 18.7 | 249.3 | 2.1 | 398.7 | 3.3 | 333.3 | 2.7 | 367.3 | 3.0 | 251.0 | 2.1 | 5273.3 | 44.7 |
| GDRQVGEWPKATCTG | 29.0 | 508.3 | 1.0 | 427.7 | 0.8 | 2534.7 | 5.0 | 429.3 | 0.8 | 542.7 | 1.1 | 432.7 | 0.8 | 461.3 | 0.9 | 496.7 | 1.0 | 4958.7 | 10.1 |
| VGEWPKATCTGDCPE | 30.0 | 72.3 | 1.0 | 145.3 | 2.0 | 3125.0 | 43.5 | 137.3 | 1.9 | 355.7 | 4.9 | 308.0 | 4.2 | 333.7 | 4.6 | 189.3 | 2.6 | 3237.0 | 46.1 |
| PKATCTGDCPERCGC | 31.0 | 96.0 | 1.0 | 147.0 | 1.5 | 2043.0 | 21.4 | 203.7 | 2.1 | 384.0 | 4.0 | 388.3 | 4.0 | 359.3 | 3.7 | 227.5 | 2.4 | 5439.3 | 58.4 |
| CTGDCPERCGCTSST | 32.0 | 73.0 | 1.0 | 156.7 | 2.1 | 2941.3 | 40.6 | 159.0 | 2.2 | 387.7 | 5.3 | 315.3 | 4.3 | 393.7 | 5.4 | 179.0 | 2.4 | 3086.3 | 43.6 |
| CPERCGCTSSTCLHK | 33.0 | 91.5 | 1.0 | 130.3 | 1.4 | 2112.0 | 23.2 | 131.0 | 1.4 | 314.3 | 3.4 | 225.7 | 2.5 | 320.0 | 3.5 | 142.7 | 1.5 | 2262.0 | 25.5 |
| CGCTSSTCLHKEWPH | 34.0 | 105.7 | 1.0 | 160.7 | 1.5 | 2595.0 | 24.7 | 1322.3 | 12.5 | 498.3 | 4.7 | 1572.7 | 14.8 | 427.7 | 4.0 | 227.0 | 2.1 | 7571.0 | 73.9 |
| SSTCLHKEWPHSRNW | 35.0 | 339.0 | 1.0 | 815.7 | 2.4 | 3483.0 | 10.3 | 4908.0 | 14.5 | 9507.0 | 27.9 | 9558.3 | 28.0 | 4092.3 | 12.0 | 1778.0 | 5.2 | 58601.0 | 178.2 |
| LHKEWPHSRNWRCNP | 36.0 | 677.3 | 1.0 | 551.0 | 0.8 | 3889.7 | 5.8 | 1411.0 | 2.1 | 1006.0 | 1.5 | 2049.3 | 3.0 | 1318.0 | 1.9 | 1320.7 | 1.9 | 8675.7 | 13.2 |
| WPHSRNWRCNPTWCW | 37.0 | 27588.7 | 1.0 | 29942.7 | 1.1 | 57619.7 | 2.1 | 52851.7 | 1.9 | 61942.3 | 2.2 | 59810.7 | 2.2 | 32143.0 | 1.2 | 48410.3 | 1.7 | 61188.0 | 2.3 |
| RNWRCNPTWCWGVGT | 38.0 | 199.0 | 1.0 | 279.3 | 1.4 | 2874.3 | 14.5 | 965.3 | 4.9 | 1491.7 | 7.4 | 890.3 | 4.4 | 809.0 | 4.0 | 837.7 | 4.2 | 27506.0 | 142.5 |
| CNPTWCWGVGTGCTC | 39.0 | 131.3 | 1.0 | 145.0 | 1.1 | 2748.5 | 21.1 | 556.3 | 4.2 | 553.7 | 4.2 | 1191.7 | 9.0 | 502.0 | 3.8 | 260.0 | 2.0 | 9082.0 | 71.3 |
| WCWGVGTGCTCCGLD | 40.0 | 111.0 | 1.0 | 162.7 | 1.5 | 3621.0 | 32.8 | 650.7 | 5.9 | 611.0 | 5.5 | 3323.0 | 29.7 | 591.0 | 5.3 | 290.3 | 2.6 | 6991.0 | 64.9 |
| VGTGCTCCGLDVKDL | 41.0 | 90.0 | 1.0 | 186.0 | 2.1 | 4735.7 | 53.0 | 219.3 | 2.4 | 435.3 | 4.8 | 515.0 | 5.7 | 423.0 | 4.7 | 207.0 | 2.3 | 3481.7 | 39.9 |
| CTCCGLDVKDLFTDY | 42.0 | 100.0 | 1.0 | 181.0 | 1.8 | 3568.3 | 35.9 | 314.7 | 3.2 | 622.0 | 6.2 | 1264.3 | 12.6 | 493.3 | 4.9 | 278.0 | 2.8 | 7602.0 | 78.4 |
| GLDVKDLFTDYMFVK | 43.0 | 85.7 | 1.0 | 180.3 | 2.1 | 1445.0 | 17.0 | 1017.7 | 11.9 | 1362.7 | 15.8 | 2278.7 | 26.4 | 715.3 | 8.3 | 516.0 | 6.0 | 29915.3 | 360.0 |
| KDLFTDYMFVKWKVE | 44.0 | 144.3 | 1.0 | 427.0 | 2.9 | 3485.3 | 24.3 | 2957.7 | 20.5 | 3465.7 | 23.9 | 12264.0 | 84.4 | 6100.7 | 42.0 | 1618.3 | 11.1 | 61079.0 | 436.3 |
| TDYMFVKWKVEYIKT | 45.0 | 274.7 | 1.0 | 1053.7 | 3.8 | 5123.3 | 18.8 | 2784.0 | 10.2 | 4295.0 | 15.5 | 16742.3 | 60.6 | 5624.7 | 20.3 | 1992.7 | 7.2 | 64673.7 | 242.8 |
| FVKWKVEYIKTEAIV | 46.0 | 187.7 | 1.0 | 930.3 | 4.9 | 7052.3 | 37.8 | 2032.0 | 10.9 | 4232.3 | 22.4 | 19184.3 | 101.6 | 5181.7 | 27.4 | 1782.0 | 9.4 | 63715.7 | 350.0 |
| KVEYIKTEAIVCVEL | 47.0 | 98.0 | 1.0 | 216.3 | 2.2 | 2760.0 | 28.4 | 318.3 | 3.3 | 883.3 | 9.0 | 2321.0 | 23.5 | 1210.7 | 12.3 | 740.7 | 7.5 | 29267.0 | 307.9 |
| IKTEAIVCVELTSQE | 48.0 | 139.3 | 1.0 | 510.3 | 3.6 | 5134.0 | 37.1 | 927.7 | 6.7 | 3970.3 | 28.3 | 17164.0 | 122.4 | 5058.7 | 36.1 | 2134.0 | 15.2 | 58133.0 | 430.1 |
| AIVCVELTSQERQCS | 49.0 | 68.3 | 1.0 | 141.0 | 2.1 | 1796.7 | 26.5 | 386.3 | 5.7 | 1120.7 | 16.3 | 3250.7 | 47.3 | 1497.3 | 21.8 | 424.0 | 6.2 | 16647.3 | 251.2 |
| VELTSQERQCSLIEA | 50.0 | 72.3 | 1.0 | 156.3 | 2.2 | 3541.3 | 49.3 | 139.0 | 1.9 | 505.0 | 6.9 | 359.0 | 4.9 | 400.7 | 5.5 | 289.0 | 4.0 | 7889.7 | 112.5 |
| SQERQCSLIEAGTRF | 51.0 | 83.3 | 1.0 | 168.7 | 2.0 | 1847.3 | 22.3 | 142.7 | 1.7 | 310.3 | 3.7 | 308.3 | 3.7 | 411.3 | 4.9 | 446.0 | 5.3 | 11101.3 | 137.3 |
| QCSLIEAGTRFNLGP | 52.0 | 83.7 | 1.0 | 169.3 | 2.0 | 2937.3 | 35.3 | 197.7 | 2.4 | 708.0 | 8.4 | 388.7 | 4.6 | 491.0 | 5.8 | 445.0 | 5.3 | 14147.7 | 174.3 |
| IEAGTRFNLGPVTIT | 53.0 | 67.7 | 1.0 | 114.0 | 1.7 | 1388.0 | 20.7 | 116.0 | 1.7 | 233.0 | 3.4 | 275.3 | 4.0 | 320.0 | 4.7 | 253.3 | 3.7 | 5461.0 | 83.2 |
| TRFNLGPVTITLSEP | 54.0 | 104.7 | 1.0 | 171.7 | 1.6 | 3061.3 | 29.4 | 254.0 | 2.4 | 1843.7 | 17.5 | 1215.7 | 11.5 | 761.0 | 7.2 | 467.0 | 4.4 | 24594.7 | 242.3 |
| LGPVTITLSEPRNIQ | 55.0 | 78.0 | 1.0 | 162.7 | 2.1 | 2763.0 | 35.7 | 149.0 | 1.9 | 378.3 | 4.8 | 354.3 | 4.5 | 463.0 | 5.9 | 344.0 | 4.4 | 7471.7 | 98.8 |
| TITLSEPRNIQQKLP | 56.0 | 81.0 | 1.0 | 107.3 | 1.3 | 3602.0 | 44.8 | 114.0 | 1.4 | 334.3 | 4.1 | 239.7 | 2.9 | 326.3 | 4.0 | 132.3 | 1.6 | 2205.7 | 28.1 |
| SEPRNIQQKLPPEII | 57.0 | 97.3 | 1.0 | 163.0 | 1.7 | 3675.5 | 38.0 | 232.0 | 2.4 | 835.0 | 8.5 | 336.3 | 3.4 | 614.7 | 6.3 | 202.3 | 2.1 | 4251.7 | 45.0 |
| NIQQKLPPEIITLHP | 58.0 | 79.0 | 1.0 | 114.7 | 1.4 | 2493.0 | 31.8 | 533.0 | 6.8 | 2762.7 | 34.7 | 1126.0 | 14.2 | 1357.0 | 17.1 | 207.7 | 2.6 | 17156.0 | 223.9 |
| KLPPEIITLHPRIEE | 59.0 | 106.7 | 1.0 | 138.3 | 1.3 | 2419.0 | 22.8 | 799.0 | 7.5 | 1126.3 | 10.5 | 1786.3 | 16.6 | 1594.5 | 14.9 | 227.3 | 2.1 | 12948.3 | 125.1 |
| EIITLHPRIEEGFFD | 60.0 | 87.3 | 1.0 | 166.7 | 1.9 | 3220.3 | 37.1 | 975.7 | 11.2 | 1225.7 | 13.9 | 3626.3 | 41.3 | 1346.7 | 15.3 | 427.0 | 4.9 | 31472.3 | 371.5 |
| LHPRIEEGFFDLMHV | 61.0 | 94.0 | 1.0 | 164.0 | 1.7 | 3865.7 | 41.4 | 591.0 | 6.3 | 710.3 | 7.5 | 1130.7 | 12.0 | 483.7 | 5.1 | 305.7 | 3.2 | 11408.3 | 125.1 |
| IEEGFFDLMHVQKVL | 62.0 | 153.7 | 1.0 | 331.0 | 2.1 | 3817.0 | 25.0 | 926.7 | 6.0 | 2216.7 | 14.3 | 2958.3 | 19.1 | 1778.7 | 11.5 | 1206.7 | 7.8 | 45195.0 | 303.2 |
| FFDLMHVQKVLSAST | 63.0 | 128.3 | 1.0 | 275.7 | 2.1 | 3359.7 | 26.4 | 501.7 | 3.9 | 1620.0 | 12.5 | 4504.7 | 34.9 | 2190.7 | 17.0 | 1076.0 | 8.3 | 27738.0 | 222.8 |
| MHVQKVLSASTVCKL | 64.0 | 143.3 | 1.0 | 165.3 | 1.1 | 1592.3 | 11.2 | 228.3 | 1.6 | 692.7 | 4.8 | 1799.7 | 12.5 | 742.7 | 5.1 | 334.7 | 2.3 | 6859.7 | 49.3 |
| KVLSASTVCKLQSCT | 65.0 | 94.0 | 1.0 | 103.0 | 1.1 | 188.0 | 2.0 | 103.3 | 1.1 | 128.0 | 1.4 | 150.0 | 1.6 | 140.7 | 1.5 | 118.7 | 1.3 | 384.0 | 4.2 |
| ASTVCKLQSCTHGVP | 66.0 | 95.0 | 1.0 | 108.7 | 1.1 | 645.5 | 6.8 | 167.0 | 1.8 | 233.0 | 2.4 | 344.7 | 3.6 | 220.0 | 2.3 | 160.0 | 1.7 | 2007.5 | 21.8 |
| CKLQSCTHGVPGDLQ | 67.0 | 80.0 | 1.0 | 146.0 | 1.8 | 1955.7 | 24.6 | 97.3 | 1.2 | 362.7 | 4.5 | 237.7 | 3.0 | 346.7 | 4.3 | 163.3 | 2.0 | 4184.7 | 53.9 |
| SCTHGVPGDLQVYHI | 68.0 | 73.7 | 1.0 | 166.3 | 2.2 | 3098.0 | 42.3 | 219.3 | 3.0 | 568.0 | 7.7 | 409.0 | 5.5 | 436.3 | 5.9 | 297.0 | 4.0 | 11736.7 | 164.3 |
| GVPGDLQVYHIGNLL | 69.0 | 98.3 | 1.0 | 206.7 | 2.1 | 2046.7 | 21.0 | 325.0 | 3.3 | 1401.0 | 14.2 | 492.3 | 5.0 | 462.7 | 4.7 | 745.7 | 7.5 | 31505.3 | 330.3 |
| DLQVYHIGNLLKGDK | 70.0 | 91.0 | 1.0 | 177.3 | 1.9 | 1979.7 | 21.9 | 509.3 | 5.6 | 1282.0 | 14.0 | 667.0 | 7.3 | 444.3 | 4.9 | 616.7 | 6.7 | 19211.0 | 217.6 |
| YHIGNLLKGDKVNGH | 71.0 | 91.7 | 1.0 | 165.7 | 1.8 | 1896.0 | 20.8 | 559.7 | 6.1 | 732.3 | 7.9 | 425.3 | 4.6 | 372.3 | 4.0 | 355.0 | 3.8 | 10988.7 | 123.6 |
| NLLKGDKVNGHLIHK | 72.0 | 100.3 | 1.0 | 296.3 | 2.9 | 2544.0 | 25.5 | 759.3 | 7.6 | 1254.3 | 12.4 | 1240.0 | 12.3 | 629.7 | 6.2 | 479.0 | 4.7 | 11596.7 | 119.2 |
| GDKVNGHLIHKIEPH | 73.0 | 116.3 | 1.0 | 164.7 | 1.4 | 2548.3 | 22.1 | 982.0 | 8.5 | 1000.3 | 8.5 | 844.7 | 7.2 | 460.0 | 3.9 | 309.3 | 2.6 | 8927.3 | 79.1 |
| NGHLIHKIEPHFNTS | 74.0 | 105.7 | 1.0 | 178.7 | 1.7 | 1450.7 | 13.8 | 1013.3 | 9.6 | 1710.7 | 16.1 | 862.3 | 8.1 | 1144.3 | 10.8 | 313.3 | 2.9 | 14909.7 | 145.5 |
| IHKIEPHFNTSWMSW | 75.0 | 1123.7 | 1.0 | 1679.7 | 1.5 | 11896.0 | 10.7 | 8845.3 | 7.9 | 25231.3 | 22.3 | 14855.0 | 13.1 | 6617.3 | 5.9 | 6013.3 | 5.3 | 63018.7 | 57.8 |
| EPHFNTSWMSWDGCD | 76.0 | 77.7 | 1.0 | 157.7 | 2.0 | 3060.7 | 39.7 | 1512.0 | 19.5 | 908.0 | 11.6 | 4493.3 | 57.5 | 679.7 | 8.7 | 240.0 | 3.1 | 8139.7 | 108.0 |
| NTSWMSWDGCDLDYY | 77.0 | 83.7 | 1.0 | 326.0 | 3.9 | 2905.5 | 35.0 | 1478.0 | 17.7 | 4649.3 | 55.2 | 11984.3 | 142.3 | 1269.3 | 15.1 | 755.0 | 9.0 | 49804.3 | 613.7 |
| MSWDGCDLDYYCNMG | 78.0 | 75.0 | 1.0 | 144.7 | 1.9 | 3298.3 | 44.3 | 806.7 | 10.8 | 796.0 | 10.5 | 4564.3 | 60.5 | 617.0 | 8.2 | 252.3 | 3.3 | 10045.3 | 138.1 |
| GCDLDYYCNMGDWPS | 79.0 | 80.0 | 1.0 | 154.7 | 1.9 | 3048.3 | 38.4 | 703.3 | 8.8 | 835.7 | 10.4 | 4717.0 | 58.6 | 585.7 | 7.3 | 264.3 | 3.3 | 9430.0 | 121.5 |
| DYYCNMGDWPSCTYT | 80.0 | 90.7 | 1.0 | 175.7 | 1.9 | 3907.7 | 43.4 | 685.7 | 7.6 | 898.0 | 9.8 | 4141.0 | 45.4 | 547.3 | 6.0 | 229.0 | 2.5 | 9517.7 | 108.2 |
| NMGDWPSCTYTGVTQ | 81.0 | 107.0 | 1.0 | 182.0 | 1.7 | 3802.7 | 35.8 | 186.0 | 1.7 | 454.7 | 4.2 | 401.7 | 3.7 | 454.3 | 4.2 | 236.3 | 2.2 | 6716.0 | 64.7 |
| WPSCTYTGVTQHNHA | 82.0 | 104.3 | 1.0 | 216.0 | 2.1 | 4483.7 | 43.3 | 249.3 | 2.4 | 930.3 | 8.9 | 591.3 | 5.6 | 521.0 | 5.0 | 339.0 | 3.2 | 12697.3 | 125.5 |
| TYTGVTQHNHASFVN | 83.0 | 94.0 | 1.0 | 213.3 | 2.3 | 4313.7 | 46.2 | 198.3 | 2.1 | 610.7 | 6.5 | 739.0 | 7.8 | 509.7 | 5.4 | 402.7 | 4.3 | 11799.3 | 129.4 |
| VTQHNHASFVNLLNI | 84.0 | 65.3 | 1.0 | 108.3 | 1.7 | 1366.7 | 21.1 | 115.0 | 1.8 | 243.3 | 3.7 | 217.0 | 3.3 | 364.0 | 5.5 | 292.3 | 4.4 | 6710.3 | 105.9 |
| NHASFVNLLNIETDY | 85.0 | 72.3 | 1.0 | 163.0 | 2.2 | 2288.3 | 31.9 | 171.7 | 2.4 | 338.7 | 4.7 | 360.0 | 4.9 | 430.0 | 5.9 | 280.0 | 3.8 | 7330.7 | 104.5 |
| FVNLLNIETDYTKNF | 86.0 | 76.3 | 1.0 | 179.3 | 2.3 | 2169.7 | 28.6 | 261.3 | 3.4 | 510.0 | 6.6 | 573.0 | 7.5 | 534.0 | 7.0 | 323.7 | 4.2 | 8982.3 | 121.3 |
| LNIETDYTKNFHFHS | 87.0 | 646.7 | 1.0 | 2882.0 | 4.4 | 14172.3 | 22.1 | 4897.0 | 7.6 | 21916.7 | 33.7 | 14266.5 | 21.9 | 4409.0 | 6.8 | 6056.7 | 9.3 | 60380.3 | 96.3 |
| TDYTKNFHFHSKRVT | 88.0 | 1082.7 | 1.0 | 1601.0 | 1.5 | 4943.0 | 4.6 | 2159.3 | 2.0 | 3257.7 | 3.0 | 6344.0 | 5.8 | 2987.7 | 2.7 | 2041.0 | 1.9 | 35138.3 | 33.5 |
| KNFHFHSKRVTAHGD | 89.0 | 307.0 | 1.0 | 649.3 | 2.1 | 2372.3 | 7.8 | 959.7 | 3.1 | 1753.7 | 5.7 | 4990.0 | 16.1 | 1511.7 | 4.9 | 936.3 | 3.0 | 22397.0 | 75.2 |
| FHSKRVTAHGDTPQL | 90.0 | 175.0 | 1.0 | 282.7 | 1.6 | 2448.0 | 14.1 | 380.7 | 2.2 | 538.7 | 3.1 | 355.0 | 2.0 | 435.0 | 2.5 | 1058.3 | 6.0 | 10462.7 | 61.6 |
| RVTAHGDTPQLDLKA | 91.0 | 105.3 | 1.0 | 106.0 | 1.0 | 147.0 | 1.4 | 159.0 | 1.5 | 141.0 | 1.3 | 143.0 | 1.3 | 165.3 | 1.6 | 113.3 | 1.1 | 644.0 | 6.3 |
| HGDTPQLDLKARPTY | 92.0 | 169.0 | 1.0 | 180.7 | 1.1 | 915.5 | 5.5 | 356.3 | 2.1 | 560.0 | 3.3 | 373.7 | 2.2 | 367.7 | 2.2 | 344.7 | 2.0 | 5566.7 | 34.0 |
| PQLDLKARPTYGAGE | 93.0 | 81.3 | 1.0 | 97.0 | 1.2 | 1183.5 | 14.7 | 149.0 | 1.8 | 210.0 | 2.6 | 132.3 | 1.6 | 211.3 | 2.6 | 138.7 | 1.7 | 2311.0 | 29.3 |
| LKARPTYGAGEITVL | 94.0 | 147.3 | 1.0 | 267.0 | 1.8 | 6004.0 | 41.0 | 513.7 | 3.5 | 3767.7 | 25.4 | 1514.0 | 10.2 | 1743.0 | 11.8 | 1142.3 | 7.7 | 47142.7 | 329.9 |
| PTYGAGEITVLVEVA | 95.0 | 96.3 | 1.0 | 153.0 | 1.6 | 2058.3 | 21.5 | 187.3 | 1.9 | 421.7 | 4.3 | 510.0 | 5.3 | 560.3 | 5.8 | 589.7 | 6.1 | 21425.3 | 229.3 |
| AGEITVLVEVADMEL | 96.0 | 276.5 | 1.0 | 146.3 | 0.5 | 3044.7 | 11.1 | 152.7 | 0.6 | 392.0 | 1.4 | 352.7 | 1.3 | 425.0 | 1.5 | 234.0 | 0.8 | 6451.7 | 24.1 |
| TVLVEVADMELHTKK | 97.0 | 65.3 | 1.0 | 75.7 | 1.2 | 464.0 | 7.2 | 77.0 | 1.2 | 87.3 | 1.3 | 110.3 | 1.7 | 198.3 | 3.0 | 119.7 | 1.8 | 1697.7 | 26.8 |
| EVADMELHTKKIEIS | 98.0 | 57.3 | 1.0 | 51.7 | 0.9 | 134.3 | 2.4 | 81.7 | 1.4 | 126.3 | 2.2 | 289.0 | 5.0 | 193.0 | 3.3 | 79.3 | 1.4 | 613.7 | 11.0 |
| MELHTKKIEISGLKF | 99.0 | 153.0 | 1.0 | 315.0 | 2.0 | 3750.0 | 24.7 | 454.7 | 3.0 | 2316.0 | 15.0 | 927.7 | 6.0 | 892.0 | 5.8 | 928.0 | 6.0 | 33306.3 | 224.4 |
| TKKIEISGLKFASLA | 100.0 | 242.7 | 1.0 | 452.3 | 1.9 | 5617.7 | 23.3 | 494.3 | 2.0 | 1755.0 | 7.2 | 4094.3 | 16.8 | 1977.3 | 8.1 | 899.7 | 3.7 | 15183.7 | 64.5 |
| EISGLKFASLACTGC | 101.0 | 110.3 | 1.0 | 219.7 | 2.0 | 5279.0 | 48.2 | 394.0 | 3.6 | 1876.0 | 16.9 | 2388.0 | 21.5 | 1766.7 | 15.9 | 852.3 | 7.7 | 22850.3 | 213.5 |
| LKFASLACTGCYACS | 102.0 | 128.7 | 1.0 | 293.3 | 2.3 | 5845.0 | 45.7 | 844.7 | 6.6 | 3091.0 | 23.9 | 6838.3 | 52.8 | 2971.0 | 22.9 | 1158.7 | 8.9 | 51774.0 | 414.8 |
| SLACTGCYACSSGIS | 103.0 | 112.7 | 1.0 | 176.3 | 1.6 | 4820.3 | 43.1 | 253.0 | 2.3 | 664.7 | 5.9 | 1476.7 | 13.0 | 960.0 | 8.5 | 423.7 | 3.7 | 12681.0 | 116.0 |
| TGCYACSSGISCKVR | 104.0 | 922.0 | 1.0 | 1609.3 | 1.7 | 6261.0 | 6.8 | 1238.7 | 1.3 | 2631.7 | 2.8 | 2527.3 | 2.7 | 1650.3 | 1.8 | 3018.3 | 3.3 | 40739.0 | 45.6 |
| ACSSGISCKVRIHVD | 105.0 | 192.3 | 1.0 | 399.3 | 2.1 | 4431.7 | 23.2 | 577.7 | 3.0 | 2657.7 | 13.7 | 3326.7 | 17.2 | 1810.7 | 9.4 | 1075.0 | 5.6 | 34259.7 | 183.6 |
| GISCKVRIHVDEPDE | 106.0 | 82.0 | 1.0 | 126.0 | 1.5 | 854.7 | 10.5 | 533.0 | 6.5 | 702.3 | 8.5 | 2682.3 | 32.5 | 840.0 | 10.2 | 411.3 | 5.0 | 13426.7 | 168.8 |
| KVRIHVDEPDELTVH | 107.0 | 80.0 | 1.0 | 91.7 | 1.1 | 259.0 | 3.3 | 720.3 | 9.0 | 554.0 | 6.9 | 1798.7 | 22.3 | 483.0 | 6.0 | 181.7 | 2.3 | 7570.3 | 97.6 |
| HVDEPDELTVHVKSD | 108.0 | 55.7 | 1.0 | 61.3 | 1.1 | 219.3 | 4.0 | 196.7 | 3.5 | 160.7 | 2.9 | 327.7 | 5.8 | 306.0 | 5.5 | 84.3 | 1.5 | 903.5 | 16.7 |
| PDELTVHVKSDDPDV | 109.0 | 54.3 | 1.0 | 56.0 | 1.0 | 147.3 | 2.7 | 174.0 | 3.2 | 191.3 | 3.5 | 466.7 | 8.5 | 293.3 | 5.4 | 88.7 | 1.6 | 799.7 | 15.2 |
| TVHVKSDDPDVVAAS | 110.0 | 63.7 | 1.0 | 123.0 | 1.9 | 1429.7 | 22.6 | 116.3 | 1.8 | 252.3 | 3.9 | 183.7 | 2.9 | 278.7 | 4.3 | 193.3 | 3.0 | 5888.7 | 95.4 |
| KSDDPDVVAASSSLM | 111.0 | 64.3 | 1.0 | 64.0 | 1.0 | 196.7 | 3.1 | 88.3 | 1.4 | 83.3 | 1.3 | 90.5 | 1.4 | 173.0 | 2.7 | 83.0 | 1.3 | 1091.0 | 17.5 |
| PDVVAASSSLMARKL | 112.0 | 390.7 | 1.0 | 593.3 | 1.5 | 3209.3 | 8.3 | 605.0 | 1.6 | 1037.7 | 2.6 | 1028.7 | 2.6 | 750.7 | 1.9 | 1450.0 | 3.7 | 8538.3 | 22.5 |
| AASSSLMARKLEFGT | 113.0 | 123.0 | 1.0 | 133.0 | 1.1 | 633.7 | 5.2 | 164.0 | 1.3 | 301.0 | 2.4 | 266.0 | 2.1 | 292.7 | 2.4 | 544.3 | 4.4 | 2552.0 | 21.4 |
| SLMARKLEFGTDSTF | 114.0 | 85.3 | 1.0 | 105.7 | 1.2 | 1039.0 | 12.3 | 363.7 | 4.3 | 733.0 | 8.5 | 885.0 | 10.3 | 583.7 | 6.8 | 294.3 | 3.4 | 8920.0 | 107.8 |
| RKLEFGTDSTFKAFS | 115.0 | 109.0 | 1.0 | 222.7 | 2.0 | 3949.7 | 36.5 | 328.0 | 3.0 | 1479.3 | 13.5 | 1032.0 | 9.4 | 857.7 | 7.8 | 762.7 | 7.0 | 23552.3 | 222.8 |
| FGTDSTFKAFSAMPK | 116.0 | 543.3 | 1.0 | 732.7 | 1.3 | 4696.3 | 8.7 | 683.3 | 1.3 | 1329.7 | 2.4 | 1664.7 | 3.0 | 1100.3 | 2.0 | 1380.0 | 2.5 | 12269.7 | 23.3 |
| STFKAFSAMPKTSLC | 117.0 | 358.3 | 1.0 | 444.7 | 1.2 | 1185.3 | 3.3 | 445.7 | 1.2 | 715.0 | 2.0 | 589.0 | 1.6 | 584.7 | 1.6 | 938.3 | 2.6 | 5943.0 | 17.1 |
| AFSAMPKTSLCFYIV | 118.0 | 328.0 | 1.0 | 565.7 | 1.7 | 5265.0 | 16.2 | 558.0 | 1.7 | 3371.0 | 10.2 | 4271.7 | 12.9 | 2584.3 | 7.8 | 1058.0 | 3.2 | 21999.3 | 69.1 |
| MPKTSLCFYIVEREH | 119.0 | 288.7 | 1.0 | 918.0 | 3.2 | 6201.7 | 21.6 | 1426.0 | 5.0 | 5068.3 | 17.4 | 9655.0 | 33.2 | 3334.3 | 11.5 | 1633.3 | 5.6 | 57917.0 | 206.8 |
| SLCFYIVEREHCKSC | 120.0 | 200.0 | 1.0 | 738.0 | 3.7 | 4508.7 | 22.7 | 2726.7 | 13.7 | 5895.7 | 29.3 | 13176.7 | 65.5 | 4156.0 | 20.6 | 1760.3 | 8.7 | 63061.3 | 325.1 |
| YIVEREHCKSCSEED | 121.0 | 77.7 | 1.0 | 174.3 | 2.2 | 3404.7 | 44.1 | 218.0 | 2.8 | 571.7 | 7.3 | 1209.7 | 15.5 | 559.3 | 7.2 | 263.3 | 3.4 | 7055.7 | 93.7 |
| REHCKSCSEEDTKKC | 122.0 | 83.0 | 1.0 | 179.0 | 2.1 | 3535.0 | 42.9 | 161.3 | 1.9 | 425.0 | 5.1 | 373.0 | 4.5 | 444.0 | 5.3 | 254.7 | 3.0 | 6269.7 | 77.9 |
| KSCSEEDTKKCVNTK | 123.0 | 124.7 | 1.0 | 196.7 | 1.6 | 3992.3 | 32.2 | 181.0 | 1.5 | 499.0 | 4.0 | 356.0 | 2.8 | 435.0 | 3.5 | 262.3 | 2.1 | 6734.0 | 55.7 |
| EEDTKKCVNTKLEQP | 124.0 | 80.7 | 1.0 | 167.3 | 2.1 | 3328.0 | 41.5 | 124.0 | 1.5 | 374.3 | 4.6 | 360.3 | 4.4 | 299.5 | 3.7 | 202.3 | 2.5 | 3715.0 | 47.5 |
| KKCVNTKLEQPQSIL | 125.0 | 57.3 | 1.0 | 80.0 | 1.4 | 994.5 | 17.5 | 79.3 | 1.4 | 138.7 | 2.4 | 152.0 | 2.6 | 158.3 | 2.7 | 123.7 | 2.1 | 3263.3 | 58.7 |
| NTKLEQPQSILIEHK | 126.0 | 67.3 | 1.0 | 145.7 | 2.2 | 1445.0 | 21.6 | 149.3 | 2.2 | 243.3 | 3.6 | 283.7 | 4.2 | 360.0 | 5.3 | 210.3 | 3.1 | 5293.7 | 81.1 |
| EQPQSILIEHKGTII | 127.0 | 89.7 | 1.0 | 177.7 | 2.0 | 1711.7 | 19.2 | 161.0 | 1.8 | 455.0 | 5.0 | 368.7 | 4.1 | 465.0 | 5.2 | 305.0 | 3.4 | 9018.0 | 103.7 |
| SILIEHKGTIIGKQN | 128.0 | 284.0 | 1.0 | 792.7 | 2.8 | 3439.3 | 12.2 | 2030.7 | 7.2 | 1940.3 | 6.8 | 10935.3 | 38.3 | 3557.3 | 12.4 | 1332.3 | 4.7 | 39911.3 | 144.9 |
| EHKGTIIGKQNSTCT | 129.0 | 96.7 | 1.0 | 178.7 | 1.8 | 2107.3 | 21.9 | 155.0 | 1.6 | 381.7 | 3.9 | 292.3 | 3.0 | 474.3 | 4.9 | 227.7 | 2.3 | 7414.0 | 79.1 |
| TIIGKQNSTCTAKAS | 130.0 | 103.7 | 1.0 | 160.3 | 1.5 | 1971.7 | 19.1 | 170.0 | 1.6 | 383.0 | 3.7 | 361.0 | 3.5 | 425.0 | 4.1 | 282.7 | 2.7 | 6529.7 | 64.9 |
| KQNSTCTAKASCWLE | 131.0 | 123.3 | 1.0 | 165.0 | 1.3 | 2141.7 | 17.5 | 501.0 | 4.1 | 657.0 | 5.3 | 3436.7 | 27.7 | 1791.7 | 14.4 | 417.7 | 3.4 | 13837.3 | 115.7 |
| TCTAKASCWLESVKS | 132.0 | 92.0 | 1.0 | 225.7 | 2.4 | 1541.0 | 16.9 | 1653.3 | 18.0 | 1036.7 | 11.2 | 7238.0 | 78.2 | 2373.7 | 25.6 | 642.7 | 6.9 | 31895.3 | 357.4 |
| KASCWLESVKSFFYG | 133.0 | 173.0 | 1.0 | 263.3 | 1.5 | 1683.0 | 9.8 | 636.7 | 3.7 | 1360.3 | 7.8 | 2717.3 | 15.6 | 1504.3 | 8.6 | 590.7 | 3.4 | 27252.7 | 162.4 |
| WLESVKSFFYGLKNM | 134.0 | 627.0 | 1.0 | 1062.7 | 1.7 | 7866.3 | 12.6 | 1136.3 | 1.8 | 2548.0 | 4.0 | 2367.7 | 3.8 | 1706.3 | 2.7 | 1990.0 | 3.2 | 33767.3 | 55.5 |
| VKSFFYGLKNMLSGI | 135.0 | 278.7 | 1.0 | 347.3 | 1.2 | 1270.3 | 4.6 | 319.0 | 1.1 | 754.7 | 2.7 | 431.3 | 1.5 | 540.3 | 1.9 | 643.0 | 2.3 | 6499.0 | 24.0 |
| FYGLKNMLSGIFGNV | 136.0 | 110.0 | 1.0 | 236.0 | 2.1 | 3108.3 | 28.5 | 326.3 | 3.0 | 1196.3 | 10.8 | 824.7 | 7.4 | 648.3 | 5.9 | 809.3 | 7.3 | 16678.3 | 156.3 |
| KNMLSGIFGNVFMGI | 137.0 | 96.3 | 1.0 | 209.7 | 2.2 | 2866.3 | 30.0 | 173.5 | 1.8 | 506.7 | 5.2 | 380.7 | 3.9 | 444.0 | 4.6 | 634.3 | 6.5 | 12066.7 | 129.1 |
| SGIFGNVFMGIFLFL | 138.0 | 109.0 | 1.0 | 308.7 | 2.8 | 2852.3 | 26.3 | 274.7 | 2.5 | 884.0 | 8.1 | 437.7 | 4.0 | 635.0 | 5.8 | 930.7 | 8.5 | 23001.0 | 217.6 |
| GNVFMGIFLFLAPFI | 139.0 | 162.3 | 1.0 | 428.7 | 2.6 | 4577.0 | 28.4 | 447.3 | 2.8 | 1676.7 | 10.3 | 814.3 | 5.0 | 1058.3 | 6.5 | 889.7 | 5.4 | 35186.0 | 223.5 |
| MGIFLFLAPFILLIL | 140.0 | 78.3 | 1.0 | 193.3 | 2.5 | 2130.7 | 27.4 | 168.0 | 2.1 | 331.7 | 4.2 | 315.3 | 4.0 | 408.0 | 5.2 | 374.0 | 4.7 | 6745.7 | 88.8 |
| LFLAPFILLILFFMF | 141.0 | 213.0 | 1.0 | 555.0 | 2.6 | 5627.3 | 26.6 | 482.3 | 2.3 | 1423.7 | 6.6 | 784.7 | 3.7 | 812.7 | 3.8 | 1339.7 | 6.2 | 35421.0 | 171.4 |
| PFILLILFFMFGWRI | 142.0 | 117.3 | 1.0 | 239.0 | 2.0 | 4283.0 | 36.8 | 228.3 | 2.0 | 496.7 | 4.2 | 412.3 | 3.5 | 512.7 | 4.3 | 514.7 | 4.4 | 13838.0 | 121.6 |
| LILFFMFGWRILFCF | 143.0 | 272.0 | 1.0 | 718.3 | 2.6 | 7937.0 | 29.4 | 643.3 | 2.4 | 2740.3 | 10.0 | 2387.3 | 8.7 | 1820.0 | 6.6 | 1949.3 | 7.1 | 54012.0 | 204.7 |
| FMFGWRILFCFKCCR | 144.0 | 682.0 | 1.0 | 1273.3 | 1.9 | 2024.0 | 3.0 | 1023.7 | 1.5 | 2129.3 | 3.1 | 4295.3 | 6.3 | 1911.7 | 2.8 | 897.7 | 1.3 | 11179.7 | 16.9 |
| WRILFCFKCCRRTRG | 145.0 | 137.7 | 1.0 | 163.0 | 1.2 | 1081.0 | 7.9 | 187.3 | 1.4 | 158.3 | 1.1 | 468.0 | 3.4 | 249.7 | 1.8 | 192.7 | 1.4 | 1245.0 | 9.3 |
| FCFKCCRRTRGLFKY | 146.0 | 665.0 | 1.0 | 650.7 | 1.0 | 636.7 | 1.0 | 492.7 | 0.7 | 602.7 | 0.9 | 655.3 | 1.0 | 546.3 | 0.8 | 981.0 | 1.5 | 3528.3 | 5.5 |
| CCRRTRGLFKYRHLK | 147.0 | 253.0 | 1.0 | 308.7 | 1.2 | 456.5 | 1.8 | 209.0 | 0.8 | 260.0 | 1.0 | 350.3 | 1.4 | 256.3 | 1.0 | 253.0 | 1.0 | 3320.5 | 13.5 |
| TRGLFKYRHLKDDEE | 148.0 | 703.0 | 1.0 | 3000.0 | 4.2 | 3020.3 | 4.3 | 4890.3 | 7.0 | 10402.7 | 14.7 | 11995.3 | 17.0 | 3289.0 | 4.6 | 5255.0 | 7.4 | 64856.7 | 95.1 |
| FKYRHLKDDEETGYR | 149.0 | 148.3 | 1.0 | 436.7 | 2.9 | 1870.3 | 12.7 | 3045.3 | 20.6 | 4939.0 | 33.1 | 10215.7 | 68.4 | 1655.3 | 11.1 | 1271.3 | 8.5 | 58983.3 | 409.9 |
| HLKDDEETGYRRIIE | 150.0 | 80.0 | 1.0 | 228.7 | 2.8 | 2862.7 | 36.0 | 270.3 | 3.4 | 684.3 | 8.5 | 643.0 | 8.0 | 598.0 | 7.4 | 672.3 | 8.4 | 28792.3 | 371.0 |
| DEETGYRRIIEKLNN | 151.0 | 248.0 | 1.0 | 941.7 | 3.8 | 2502.0 | 10.2 | 834.0 | 3.4 | 2554.7 | 10.2 | 3443.3 | 13.8 | 1327.3 | 5.3 | 2155.7 | 8.6 | 64175.3 | 266.8 |
| GYRRIIEKLNNKKGK | 152.0 | 236.3 | 1.0 | 304.7 | 1.3 | 392.7 | 1.7 | 297.7 | 1.3 | 276.0 | 1.2 | 643.0 | 2.7 | 358.7 | 1.5 | 369.3 | 1.6 | 1800.3 | 7.9 |
| IIEKLNNKKGKNKLL | 153.0 | 215.0 | 1.0 | 269.0 | 1.2 | 499.7 | 2.3 | 261.0 | 1.2 | 304.7 | 1.4 | 571.0 | 2.6 | 354.3 | 1.6 | 554.0 | 2.6 | 2256.3 | 10.8 |
| LNNKKGKNKLLDGER | 154.0 | 126.3 | 1.0 | 148.0 | 1.2 | 2547.7 | 20.3 | 196.3 | 1.6 | 328.3 | 2.6 | 288.3 | 2.3 | 268.7 | 2.1 | 305.0 | 2.4 | 2270.3 | 18.5 |
| KGKNKLLDGERLADR | 155.0 | 90.3 | 1.0 | 121.0 | 1.3 | 1803.7 | 20.1 | 209.3 | 2.3 | 357.0 | 3.9 | 255.0 | 2.8 | 332.0 | 3.7 | 182.0 | 2.0 | 2518.7 | 28.7 |
| KLLDGERLADRRIAE | 156.0 | 93.5 | 1.0 | 174.7 | 1.9 | 2353.5 | 25.3 | 431.3 | 4.6 | 339.3 | 3.6 | 364.3 | 3.9 | 377.7 | 4.0 | 256.0 | 2.7 | 7510.0 | 82.8 |
| GERLADRRIAELFST | 157.0 | 377.0 | 1.0 | 897.0 | 2.4 | 3891.3 | 10.4 | 857.7 | 2.3 | 2096.3 | 5.5 | 1500.0 | 4.0 | 1184.7 | 3.1 | 2324.7 | 6.1 | 50696.0 | 138.6 |
| ADRRIAELFSTKTHI | 158.0 | 780.3 | 1.0 | 1616.0 | 2.1 | 7589.3 | 9.8 | 1495.7 | 1.9 | 4690.7 | 6.0 | 2332.7 | 3.0 | 2219.0 | 2.8 | 4046.7 | 5.2 | 62864.7 | 83.1 |
| DRRIAELFSTKTHIG | 159.0 | 580.7 | 1.0 | 1220.0 | 2.1 | 6532.3 | 11.3 | 1191.0 | 2.1 | 3577.0 | 6.1 | 1984.3 | 3.4 | 2130.7 | 3.6 | 3717.7 | 6.4 | 55694.3 | 98.9 |

Purified CCHFV Gc-targeting MAbs and CCHFV hyperimmune mouse ascetic fluid (HMAF; positive control) were assessed for their ability to bind CCHFV Gc region peptides in an ELISA. The raw data from the assay and fold signal increases compared to mock are listed. Orange highlight indicates the 3 highest fold increases compared to mock for each individual MAb or HMAF preparation. Gold highlighted HMAF cells represent areas in which HMAF was enriched by more than 100-fold.