

1/78

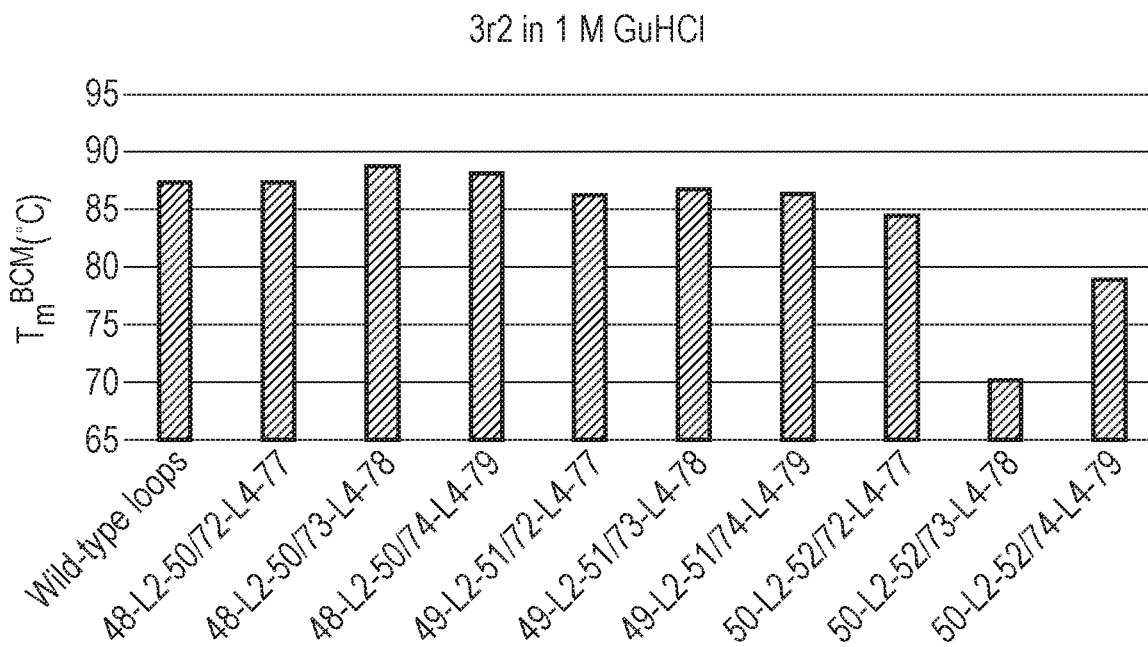


FIG. 1

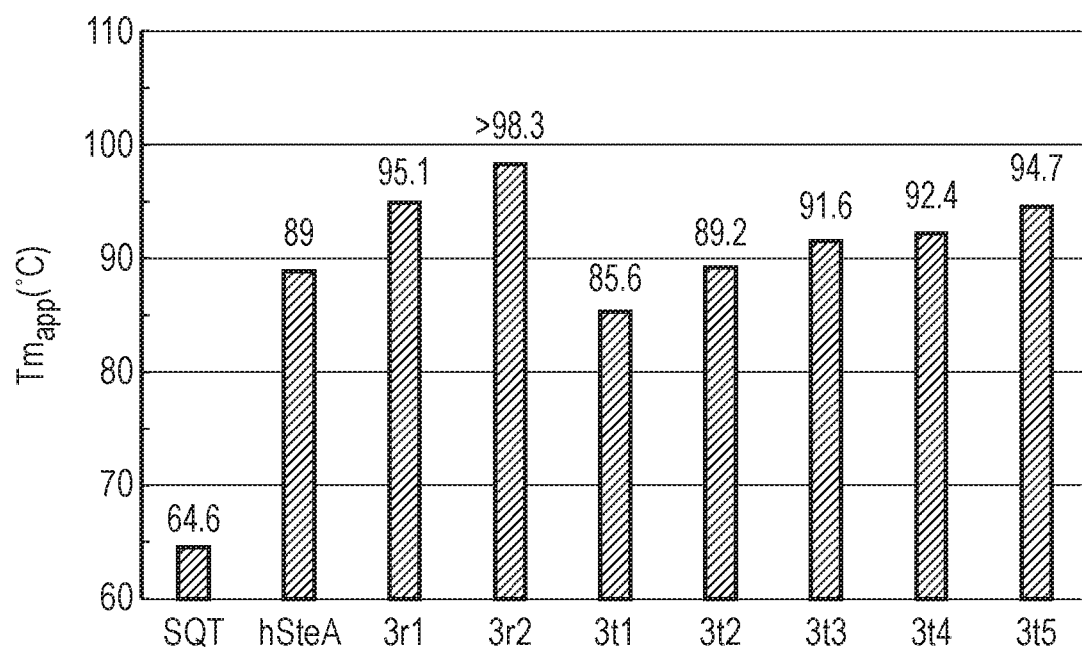


FIG. 2

2/78

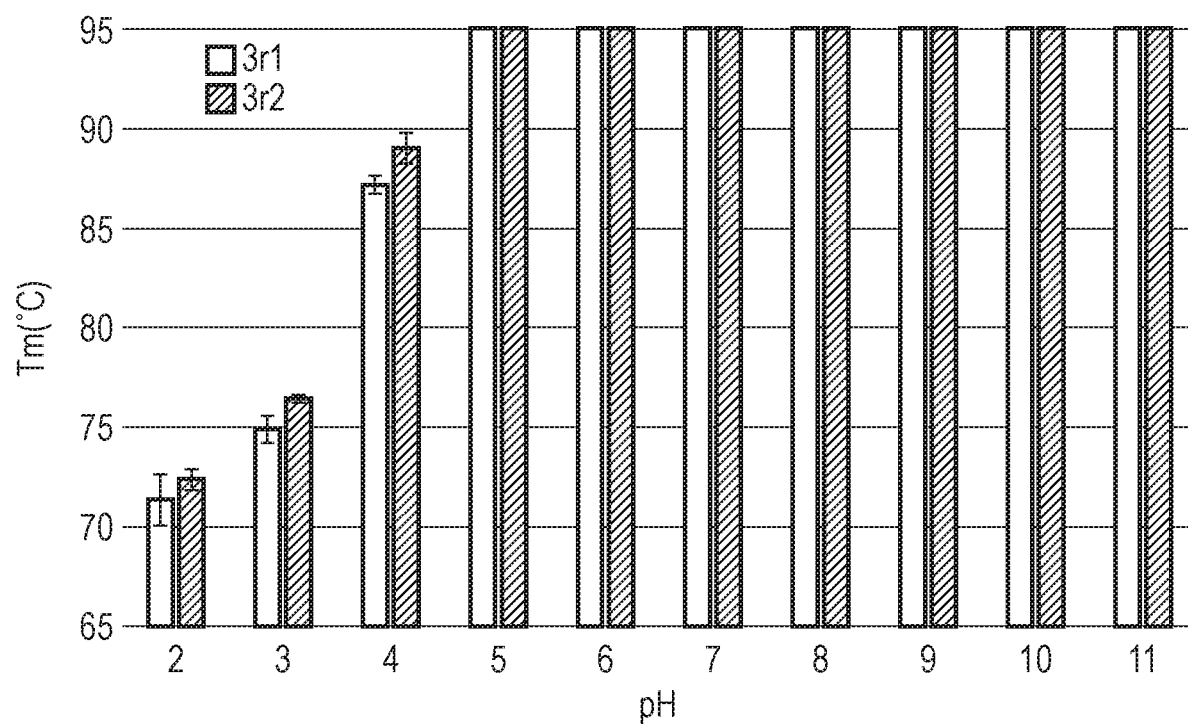


FIG. 3

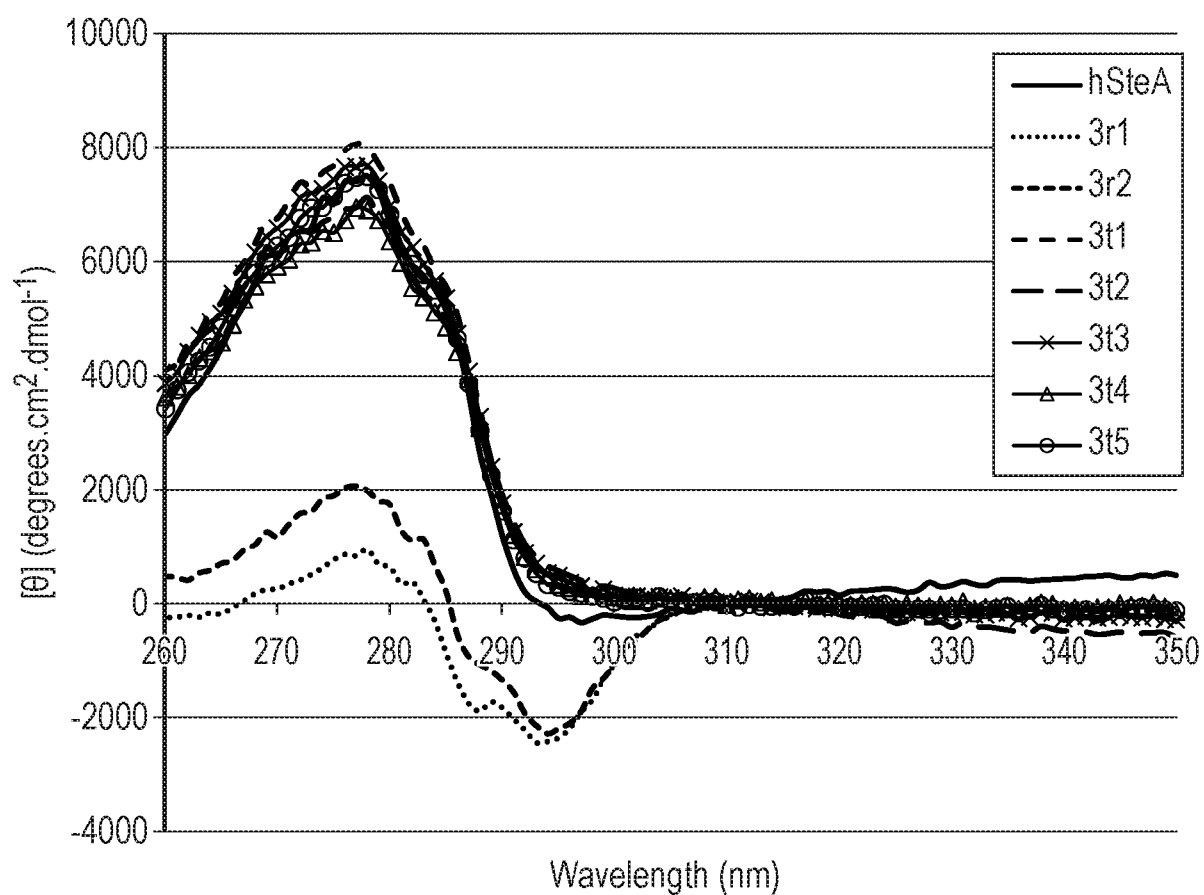


FIG. 4a

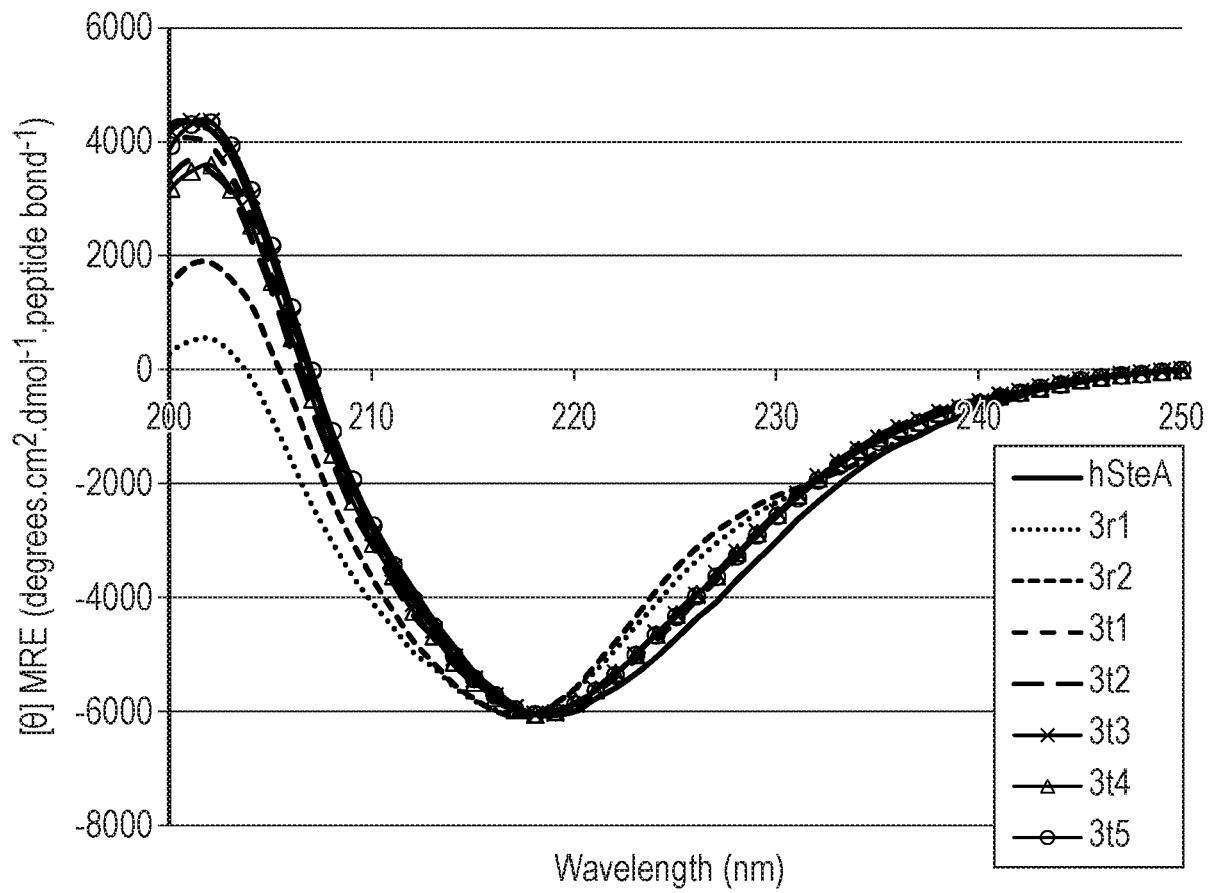


FIG. 4b

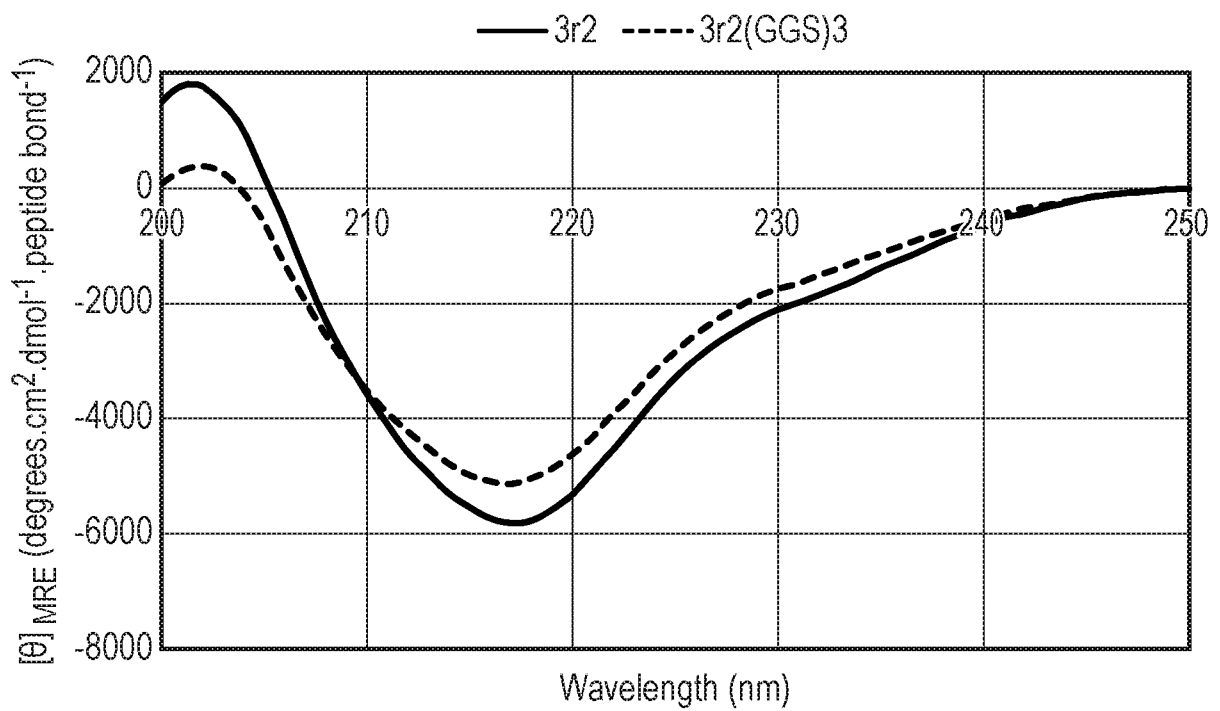


FIG. 5

4/78

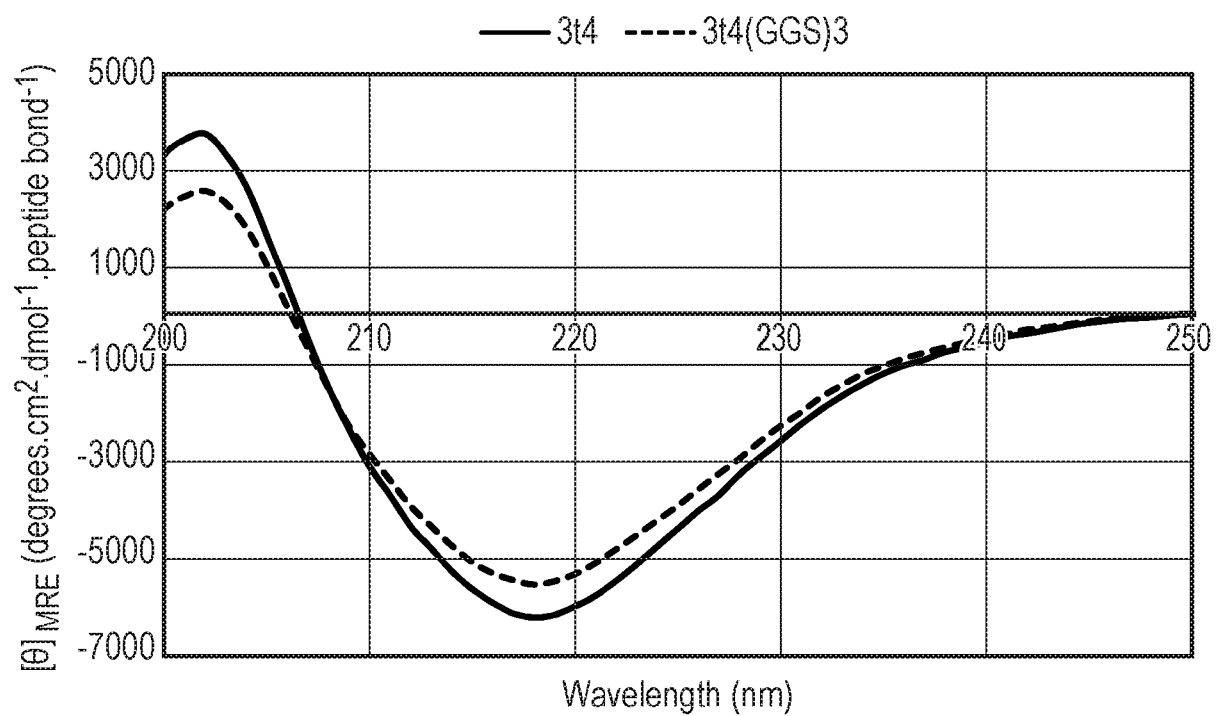


FIG. 6

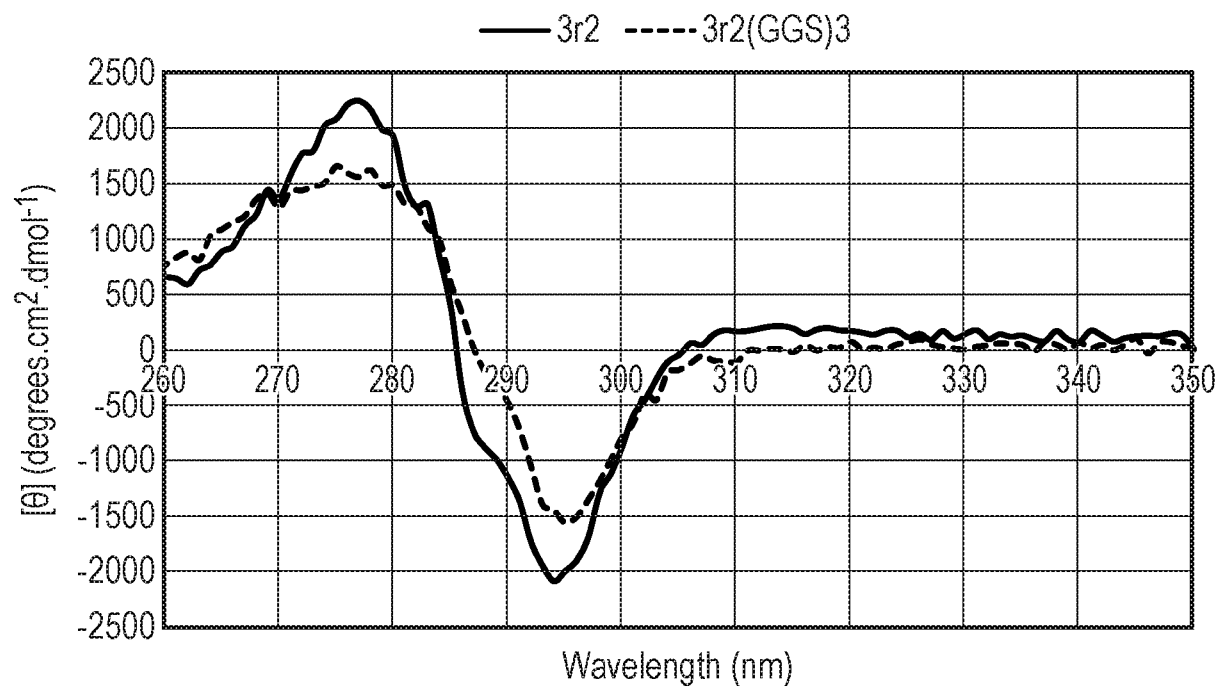


FIG. 7

5/78

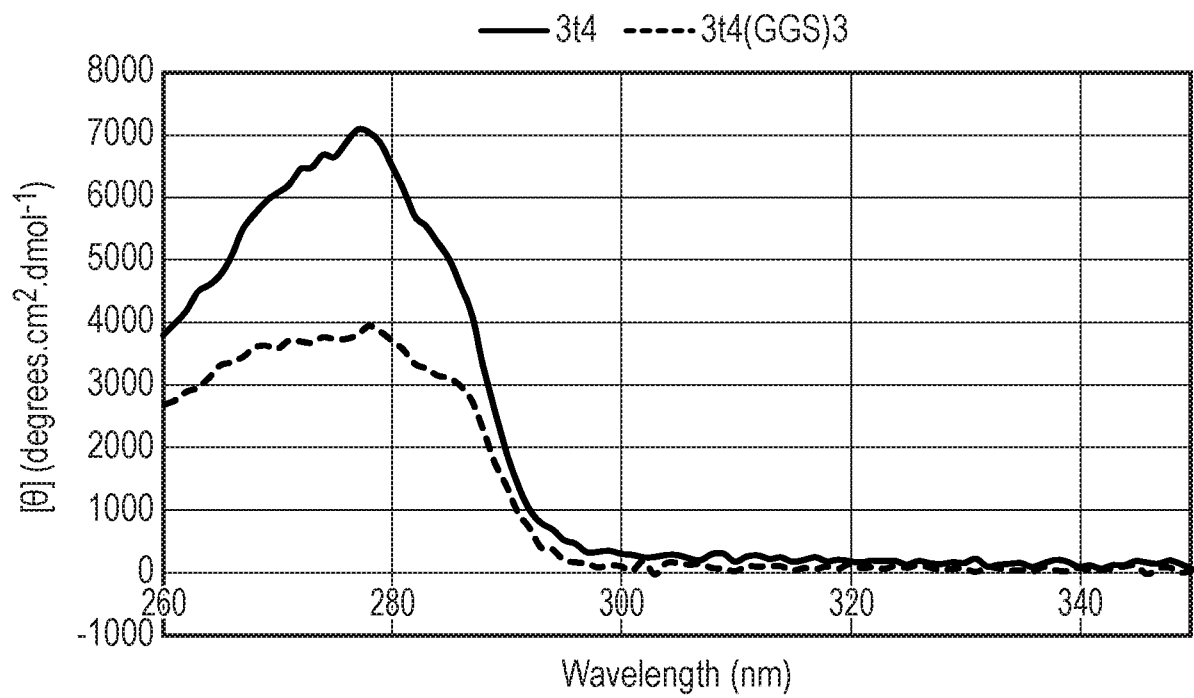


FIG. 8

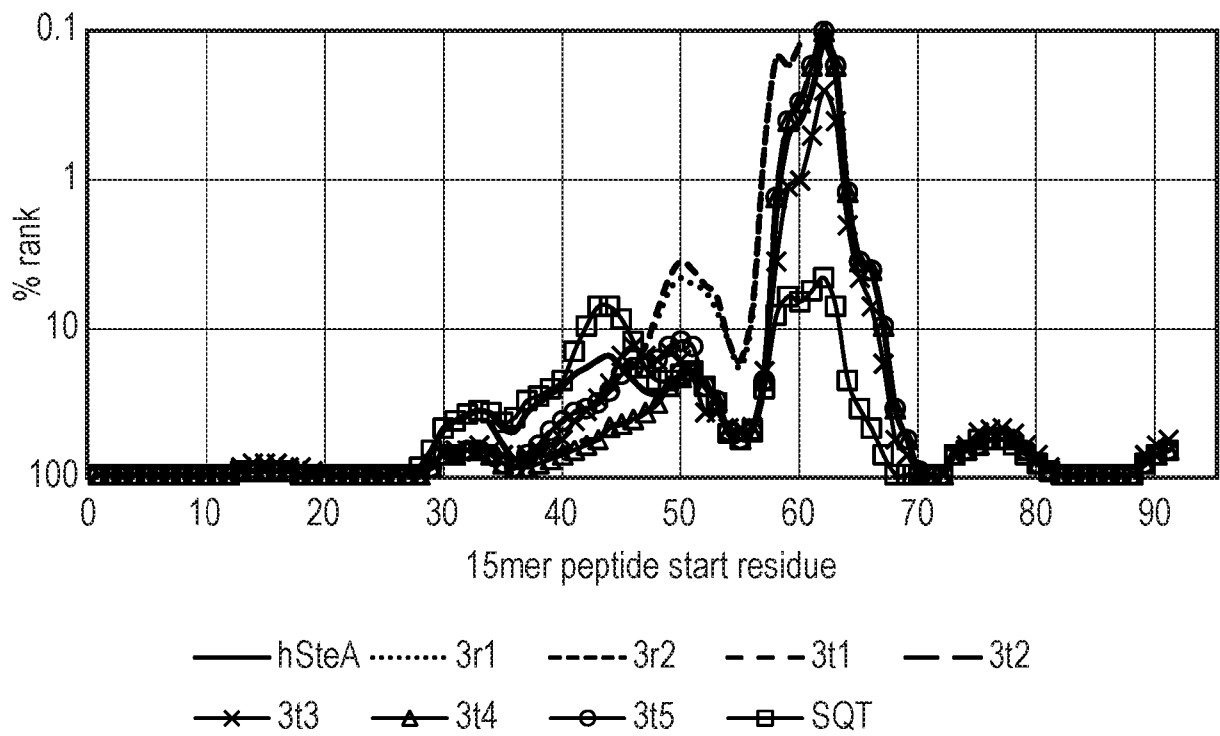


FIG. 9

6/78

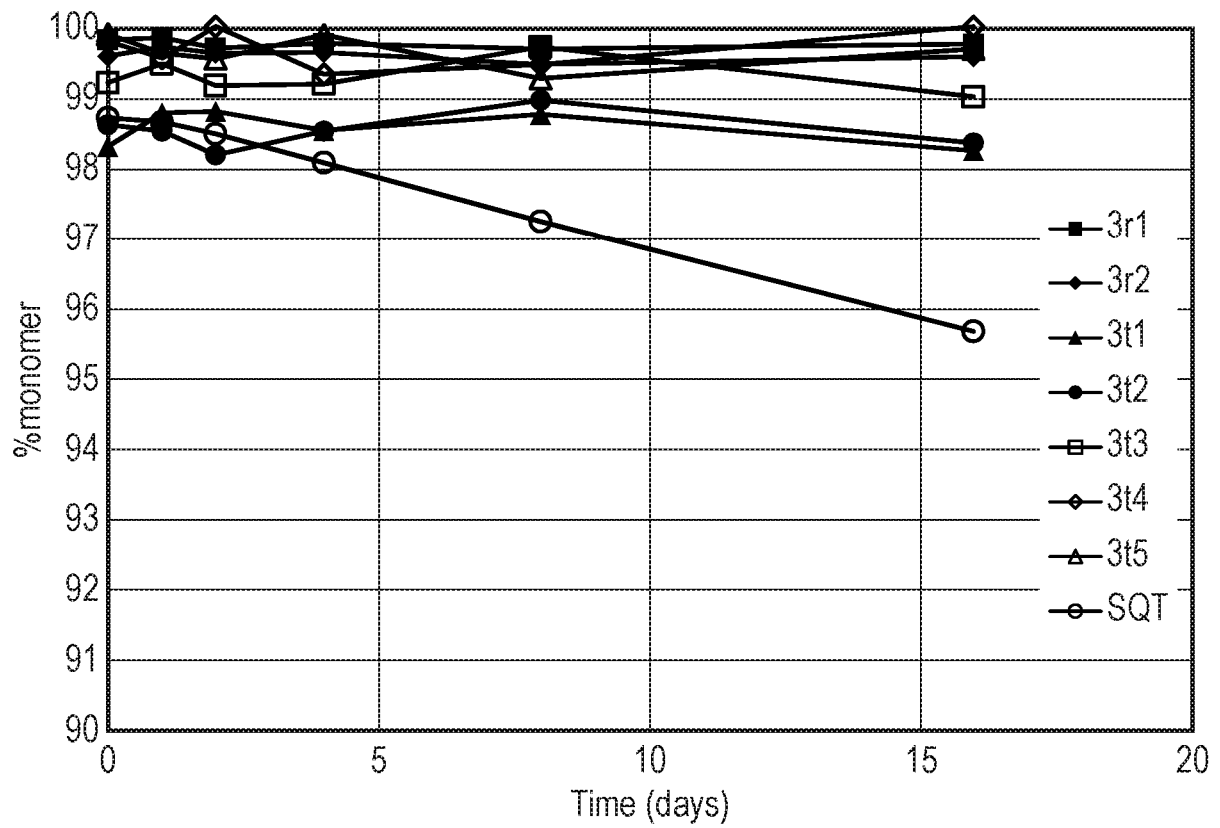


FIG. 10a

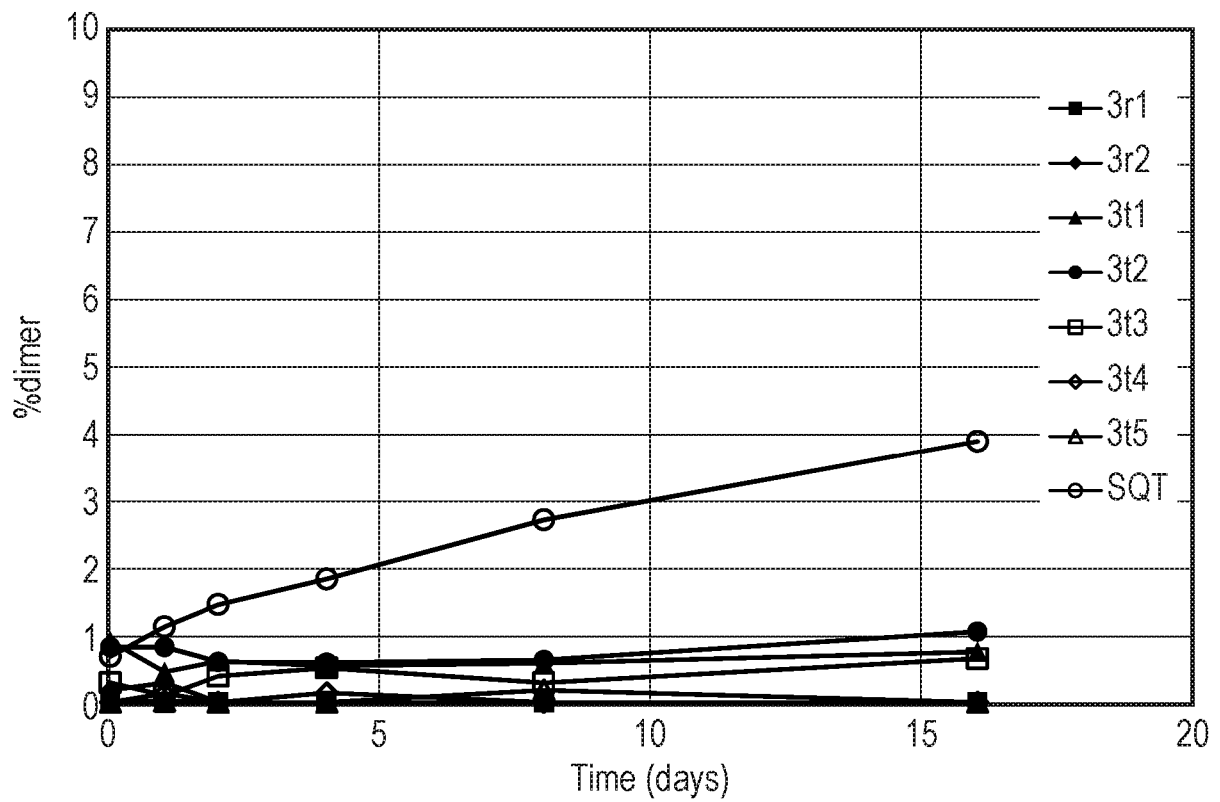


FIG. 10b

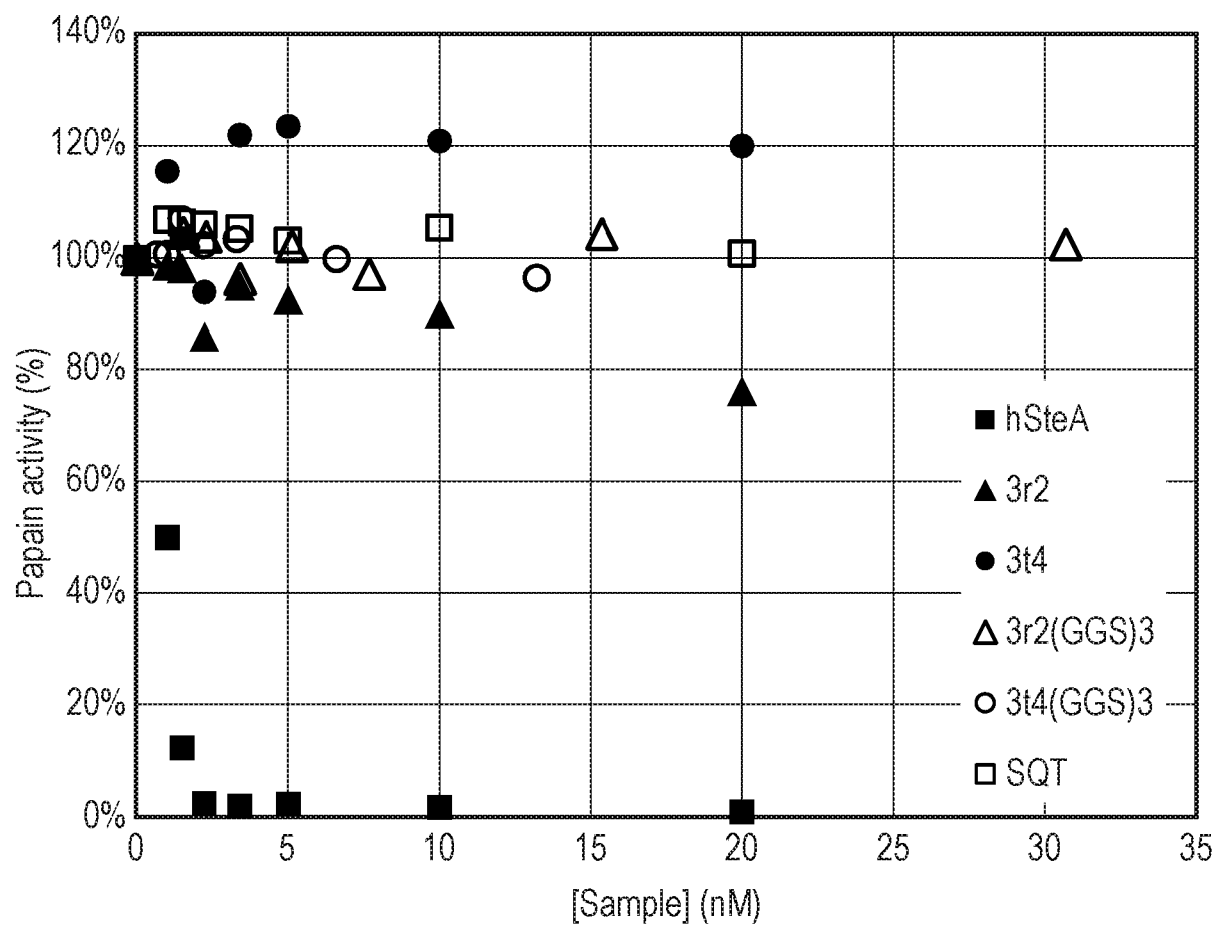


FIG. 11

8/78

Affimer Working ID	EGFR (FL1-A of QSH01)	mIgG2b (FL1-A of QSH03)	hIgG1 Fc (FL1-A of QSH05)
PBS (BLANK)	1774	1167	1230
PBS (BLANK)	1734	1232	950
PBS (BLANK)	1705.5	1156	1062.5
NEGATIVE - - HA (NEGATIVE)	1768.5	1265.5	974
NEGATIVE - - HA (NEGATIVE)	1667.5	1132	1025
NEGATIVE - - HA (NEGATIVE)	1666	1136	1100
NEGATIVE - - HA (NEGATIVE)	1637.5	1027.5	1228.5
MIGG2B G12 - HA (POSITIVE)	1813	158466	1095
MIGG2B G12 - HA (POSITIVE)	1772	155424.5	1094
MIGG2B G12 - HA (POSITIVE)	1679	118498.5	1003
MIGG2B G12 - HA (POSITIVE)	1668	134053	1162
00451_644628	1722	1235	963
00451_644620	1764	1110	1154
00451_644599	1817	1224	1055
00451_644624	1717	1081.5	1144
00451_644654	1642	1055	1154
00451_644622	1543	1213	1052
00451_644633	1785	1141	1062
00451_644617	1750	1087	998
00451_644605	1736	1183	1051.5
00451_644671	1536	1052	1219
00451_644607	1725	1188.5	1117.5
00451_644691	1779	1127.5	1130
00451_644614	1768	1216	1087
00451_644634	1718	1142	1128.5
00451_644657	1627	1093	1097
00451_644644	1687.5	1174	1070
00451_644696	1771	1101.5	1141
00451_644670	1620	1030	1086
00451_644668	1689	1104.5	1115
00451_644588	1726	1167	1267
00451_644695	1796.5	1221	1232
00451_644656	1766	1134	1022

①
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FIG. 12

Ⓐ →

9/78

hPD-L2 (FL1-A of QSH06)	Her2 (R&D) (FL1-A of QSH08)	hPD-L1 (FL1-A of QSH10)	Trastuzumab (FL1-A of QSH11)	hlgG (FL1-A of QSH13)
1303	866	1413	1543	1076
1223.5	808	1220.5	1376.5	995.5
1240	882	1200	1529	904.5
1243	822	1287	1359	1076
1064	790	1121	1252	976.5
1220	801	1471.5	1551.5	1033
1105	718	1024.5	1472	1058
1140	868	980.5	1469	1084.5
1240	1053	1452.5	1446.5	1215.5
1181	866	1087.5	1448	1037
1264	1011	1297	1529	1091
1276	2452.5	1164	1458	977.5
1284	2398	1282	1400	1044
1280.5	2129.5	1132	1495	1000
1152	1962	1146	1373	931
1134	1864.5	1080	1222	1003
1208.5	1027.5	1265	1551	1019
1235	930	1098	1255.5	1089.5
1323.5	867.5	1108	1327	979
1170	950.5	1178.5	1359	1084
1057	931	1022	1319	1009
1275	785	1052	1103	962
1165	893	1057	1470	954
1103	868	1249	1470.5	1208
1310.5	858	1327	1477	1038
1117	759	1115	1280.5	1101
1217	864	1383.5	1453	1067
1260	820	1197.5	1255	1043
1066	865.5	1205.5	1381	989
1248	729	1186.5	1341.5	1074
1167	849	1210	1451	1074
1280.5	968.5	1323.5	1411	1089
1286	965.5	1499	1437	1060

← (A)

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FIG. 12 (Continued)

(B) →

10/78

Her2 (Sino) (FL1-A of QSH15)	Her3 (FL1-A of QSH16)	mPD-L1 (FL1-A of QSH18)	No target ctr (FL1-A of QSH22)	Avastin (FL1-A of QSH23)
1046	1411	1164.5	1623	1213
748.5	1303	1181	1373	1149
926	1292	1177	1491	1143
678	1343	1202	1465	1027.5
717.5	1408	1178	1381	1154
874	1410.5	1182.5	1559	1019
879	1208	1104.5	1392.5	1091
872	1268	1058.5	1221	1170
940	1370	1002.5	1506	1140.5
973	1431.5	1041	1408	1158.5
1003	1423	1229.5	1402	987
102773.5	1435	1272.5	1442	1092
91635	1435	1087.5	1485	1221.5
86041	1274.5	1122	1544.5	1278
84281	1361.5	1057	1342	1223
82266	1225	1117	1372	1095
14155	1206.5	1155	1388	1173
13150.5	1292	1017	1359	1244
3728	1408	1105	1336	1103
3138	1330	1108	1493	1029
1550	1217.5	1114	1352.5	1100
1547.5	1400	1076	1513	1315.5
1518	1361	1013	1497.5	1363.5
1434.5	1275.5	1225	1479.5	1131.5
1399.5	1370	1167	1435.5	1062
1356.5	1308	1114	1372	1208
1348	1237.5	1057	1493	1123.5
1348	1324	1121	1502	1163.5
1340	1205.5	1035	1332	941.5
1337	1315.5	1187	1516.5	1155.5
1334	1430.5	1160	1588	1189
1324	1528	1218.5	1350.5	1108
1308	1305	1141	1594	1183

←(B)

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FIG. 12 (Continued)

(C)→

Humira (FL1-A of QSH25)	Rituximab (FL1-A of QSH26)	mPD-L2 (FL1-A of QSH27)	Her4 (FL1-A of QSH28)
990	2200	1242	1476.5
969	2059.5	1185.5	1397
926.5	1876.5	1181	1421
947.5	2073	1147.5	1254
863	1885	1119	1303
1014	2079	1074.5	1461
906	2005	1044	1375
853	2026.5	971	1311
996	2145	1177	1415
1039.5	2147	1149	1365
966	1998.5	1130	1462.5
963	2099.5	1099.5	1387.5
1108	2152	1001	1521
960	1975	1181	1345
1006	2023.5	1175.5	1404
968	1903	1081	1313.5
922.5	2046	1036	1466
985	1947	1111	1326.5
942	1979	1183	1291
989	2084	1181	1383
903.5	1929	1103	1283
896	2036	1059.5	1513
1052	2096.5	1224	1342
1044	2108	1119	1266.5
906	1984	1181	1406
855	2048.5	1183	1491
984	1971	1114	1332
981	2030	1197	1434
884	2032	996.5	1346
969	1939	1081	1293
1051	2005.5	1189	1418
861	2172	1273	1484.5
1004	2067	1212	1324

←C

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FIG. 12 (Continued)

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00451_644719	1785	1130	1158
00451_644689	1663	1222	1057.5
00451_644631	1548	1244.5	1181
00451_644658	1693.5	1183.5	1022
00451_644717	1734	1172	1087
00451_644661	1753.5	1054.5	968.5
00451_644708	1780.5	1206.5	1172.5
00451_644655	1814	1155	1117
00451_644706	1626	993	1284
00451_644629	1763.5	1125	1116
00451_644619	1769.5	1122	1110
00451_644652	1643	1127	1041.5
00451_644609	1750	1179.5	1273
00451_644659	1729	1160.5	1099
00451_644703	1641.5	1061.5	939
00451_644660	1714	1121	1182
00451_644612	1733	1262	1021.5
00451_644667	1706	1261	983
00451_644653	1699	1132	959.5
00451_644645	1716	1139.5	1057.5
00451_644596	1830.5	1235	1103
00451_644643	1571	1009	990
00451_644697	1635.5	1127	1183.5
00451_644598	1690	1266	1121
00451_644707	1717	1269.5	1221
00451_644583	1708	1383.5	1237
00451_644714	1725	1151.5	1200
00451_644642	1693	1171	1150
00451_644621	1590	1153	1073
00451_644711	1615.5	961.5	1088
00451_644636	1644.5	1175	1158
00451_644632	1695	1113.5	1003.5
00451_644582	1830	1154	1173
00451_644722	1654	1179	1196
00451_644584	1736.5	1165	1100

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FIG. 12 (Continued)

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13/78

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1149	876.5	1240	1382	1077.5
1190	910	1141.5	1388	993
1375	760	1115	1348	969
1209.5	884	1224.5	1324	966.5
1170	977	1159	1308.5	935.5
1267	892	1151	1513.5	979.5
1198	808	1130	1357	1056
1238	907	1372.5	1222	1047
1246	806	1162	1299	949
1076.5	836	1322.5	1296	1139
1063	830	1323	1248	997
1218	917	1081	1210	981
1053	876	1227	1513	1052
1275	802	1300	1464	960
1119	831	1039	1459.5	911.5
1071	839	1095	1446	974
1243	822	1078	1413	1061
1127	923.5	1002	1388	1124
1149	801	1042.5	1305	1012
1079	795	1123	1434	1066.5
1299.5	874	1262	1411	1019
1100	736	983	1452.5	909
1262	860.5	1036.5	1334.5	960
1194	963	1282	1454	1026.5
1310.5	995	1278.5	1296	1038.5
1215.5	720.5	1196.5	1270	1000.5
1225	885	989	1454.5	985
1309	796	1097	1432	1058
1229.5	1028	1275.5	1256	1100
1095.5	831.5	1216	1319	915
1339.5	857	1102.5	1524.5	1057
1168.5	878	1079	1356	1000
1397	1017	1413.5	1426	1170
1206	864	1219	1306.5	976
1301	982	1173	1534	1036

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FIG. 12 (Continued)

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1284	1360.5	992.5	1315	1193
1272.5	1287	1109	1477.5	1187
1268	1384.5	1030	1451	1342
1263	1323	1103	1338	1036
1259	1429	1219	1395.5	1128
1251	1337	1276	1287.5	1176
1245.5	1510	1140	1587	1097
1238	1302.5	1194	1269.5	1113
1237	1162	1096.5	1393	965
1225.5	1467	1170.5	1407	1149
1219	1404.5	1224	1411	1181
1205	1224	1113	1264	969
1195.5	1421	1153	1396	1416
1177.5	1442.5	1286	1380.5	1073.5
1162.5	1280	1113.5	1477.5	1111
1141	1365	1003	1543.5	1067.5
1141	1464	1213	1451	1353
1128	1434	1117	1564	1110
1123.5	1211	1125	1318	1125
1086	1439	1070.5	1410	1171
1084	1456.5	1162	1652	1275
1084	1378	1004.5	1370	1198.5
1081.5	1409	1174.5	1478	1075
1077	1507	1230	1392	1179
1071	1422	1230.5	1470	1248
1068	1424	1280.5	1308	1159
1065	1392	1154	1590.5	1228.5
1052	1364	1206	1472	1076
1051	1445	1371	1435	1189
1049	1404	1168	1360.5	1000
1038	1357	1115	1470.5	1103
1036	1297	1205	1409	1039.5
1035	1470	1287	1411	1187
1030	1650	1289	1537	1233.5
1029	1399	1217.5	1415	1162

←E

⑦

FIG. 12 (Continued)

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977.5	2038	1078	1310.5
969	1982	1146	1303.5
964	2036.5	1065	1425
1024	2136	981	1334.5
972	2070	1123.5	1391
958	2025	1144	1386
884.5	2077	1105	1403.5
801	2147.5	1136.5	1416
934	2086.5	1054.5	1314.5
1068	1964	1058.5	1294
972	1958	1110.5	1411
888	1924	1019	1440
1165	2105.5	1183.5	1240
903.5	2001	1053.5	1452.5
904	2105	957	1434.5
872	2057.5	1151	1362
961.5	2021	1217.5	1427
853.5	1950	1085	1368.5
882.5	1901	1060	1235.5
998	1927	1035.5	1286
1035	2172	1121.5	1461.5
922.5	1878	1138	1308.5
897	1992	1030	1329.5
927.5	2019.5	1134	1478
942	2105.5	1130	1573
967.5	2089	1075	1424
1004	1812.5	1275.5	1396.5
974.5	1950.5	1112.5	1335
950	2071	1148	1404
963	1976	1105	1367
950	1922	1073	1316
957	2159	1094	1440
954	2027	1232	1504
1058.5	2024	1405	1237
956	2086	1179	1407

←ⓕ

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FIG. 12 (Continued)

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00451_644680	1976	1310	1095
00451_644724	1720	1272.5	1246
00451_644716	1761	1069.5	1079
00451_644641	1730	1200	986
00451_644692	1842	1135	1221
00451_644682	1804	1218	1130
00451_644712	1752	1163	1130
00451_644587	1836	1170.5	1309.5
00451_644597	1846	1216	1148
00451_644713	1867.5	1239.5	1191.5
00451_644585	1577	1073	1349.5
00451_644592	1726	1187	1211
00451_644603	1604	1078	1027
00451_644646	1604.5	1109	1104.5
00451_644580	1824	1303	1133
00451_644581	1857	1221	1197
00451_644702	1736	1227	1018
00451_644677	1848	1383	1222
00451_644594	1829	1112	1165.5
00451_644630	1631	1074	1041
00451_644676	1725	1244	1160
00451_644684	1644	1200	1186
00451_644673	1523	1073	958.5
00451_644593	1678	1302	1065
PBS (BLANK)	1939	1294	1143
00451_644611	1749	1232	1210
00451_644613	1709	1172	1058.5
00451_644710	1639	1203	1124
00451_644674	1663.5	1173.5	1017
00451_644726	1670	1108	1202.5
00451_644600	1723	1222	1052
00451_644690	1638.5	1173	1138
00451_644693	1599	1163	1093
00451_644627	1490	1144.5	1243.5
00451_644586	1749	1323	1155.5

⑨

FIG. 12 (Continued)

⑨→

17/78

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1280.5	793	1257	1217.5	1119
1249	885	1265	1157	1016
1207	895	1391	1211	973
1166.5	823.5	1450	1245	1016
1240	735.5	1151	1227	1074
1266	753	1214	1367.5	1101
1359.5	914	1310.5	1446.5	1148
1240	984	1316	1265	1097
1151	927	1202	1248	1020
1343	906	1275	1367	1068
1014	956	1019	1377	1031
1305	1002	1364	1413	1073.5
1221	875.5	1282.5	1154	1050
1041	860	1504	1181	1047
1295	825.5	996.5	1488.5	1127
1192	887	1290.5	1501	1060.5
1246	775.5	1295.5	1343.5	969
1242	913.5	1362	1287.5	1082.5
1203	821.5	1002	1437	958
1047	790	1119	1245.5	960.5
1265	999.5	1241	1577	1003
1247	1008.5	1334.5	1397	1041
1154	795	950	1251.5	971
1238	945.5	1354	1404.5	1085
1200	810	1139	1187.5	963
1343	884	1334	1362	1039
1138.5	868	1025	1359	944
1176	1014	1074	1315	954
1194	782	1183	1400.5	953.5
1221	892	1299.5	1369.5	1095
1194	890.5	1127	1319	1158
1357	880.5	1244.5	1178.5	1125
1332	926.5	1093	1321	1082
1109	1005	1143.5	1333.5	1035
1281	876.5	1195.5	1414	1086

←⑨

⑩↓

⑨→

FIG. 12 (Continued)

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1028	1364	1270.5	1489	1073.5
1025.5	1421.5	1222	1519.5	1011.5
1020	1295.5	1157	1539	1213.5
1012.5	1346	1199	1547	1128.5
1012	1577	1178	1372	1283
1003	1551	1225.5	1403.5	1135
1003	1426	1206.5	1426	1132.5
995	1387.5	1280	1513	1129
991	1243	1114	1230	1136
987	1361.5	1215.5	1453	1087
986	1403	1186	1400	1109
985	1352.5	1128.5	1543	1138
985	1384.5	1197	1184	969.5
984.5	1357	1113	1344.5	1081
983.5	1491.5	1124	1526.5	1147.5
981	1293.5	1065	1488	1211
980.5	1381	1170	1430	1092
974	1432	1185	1594	1098.5
973.5	1279.5	1305	1358.5	1149.5
973	1363.5	1133.5	1311	1101
969.5	1446	1254	1383	1203
968	1340.5	1241	1606	1268.5
967	1283	1061	1330	1021
966	1368	1041	1453	1141
963	1343	1262	1520.5	1216
960	1439	1205.5	1409.5	971.5
954	1361.5	1189	1429.5	1117
953	1334	1001	1285.5	1154
950	1238	1027	1383	1172
947	1278	1116	1470	1130
945	1389	1251.5	1521.5	1078
944.5	1292	1316	1396	1362
941	1504	1187	1543	1224
940	1252.5	1138	1332.5	1224.5
939.5	1498.5	988.5	1324	1187.5

← (H)

⑪
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①
→

FIG. 12 (Continued)

19/78

⑧

1016	2116	1103	1456
871	2112	1136	1531.5
1089	1925	1144	1411
1011	2010.5	1117	1415
1019.5	1991.5	1084	1561
1039	1995	1025	1528
957	2162	1258	1339
1018.5	1935	1027	1379.5
990	1945	1068	1307.5
971	2079.5	1133	1448
1007.5	2025	1068	1480.5
1017.5	1997.5	1093	1429
832	1854	969	1383
952.5	2040	1076	1210
1122	2102.5	1292	1489
971	2110.5	1095	1483
995.5	2115	1197.5	1290.5
995.5	2086.5	1150.5	1448
1069	2173	1186	1397
952	2000	990	1531
904	1949	1045	1434
1065	2013.5	1052	1415
963	1889	1108	1413
937	1923	1167	1424.5
1028	1987	1224.5	1367
1086	2082.5	1273	1437
890	2061.5	1051.5	1385
1007	2021.5	1177	1427
980.5	2054	1043	1434
930.5	1972.5	1122	1454
949	2068	1076	1348
1077	2060	1125.5	1394
897.5	2173	1130	1553
920	2078	1195	1357
934	2066.5	1260	1519

①

⑫

FIG. 12 (Continued)

9

00451_644648	1739	1155	1114
00451_644669	1823	1081	1054
00451_644705	1765	1058	1082
00451_644604	1701	1270	1184
00451_644679	1848	1458	1144
00451_644675	1707	1152	1251
00451_644623	1809	1136	1037.5
00451_644595	1677	1186.5	1139.5
00451_644625	1596	1159.5	1144
00451_644681	1767	1183	1193
00451_644683	1833	1070	1139.5
00451_644601	1783.5	1046.5	1117
00451_644694	1908	1108	1275.5
00451_644678	1817	1108.5	1174
00451_644704	1896	1158.5	1100
00451_644649	1656	1131.5	1206
00451_644608	1809	1136	1139.5
00451_644718	1811	1098	971
00451_644637	1722	1294	1099.5
00451_644615	1747	1227	1044
00451_644699	1671.5	1161	1035.5
00451_644626	1501	1101.5	1184
00451_644639	1531.5	1170	1046
00451_644701	1734	1159	1132
00451_644723	1691	1273	1175.5
00451_644610	1812	1216	1215
00451_644647	1737.5	1041	1077
00451_644618	1817.5	1056	1079
00451_644727	1761	1270	1031
00451_644662	1583	1150.5	1052
00451_644638	1763	1100	1070.5
00451_644698	1704	1173	1213
00451_644709	1792	1103	1023.5
00451_644602	1702.5	1121	1159

13

FIG. 12 (Continued)

J

21/78

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1030	781	1088	1203.5	1036
1113	839	1059.5	1502	1045
1114	877	1297.5	1476	979
1262	928	1014	1332	955
1332.5	826.5	1054	1414.5	1185
1194	998	1030.5	1308	936
1241.5	887	1242.5	1213.5	1106
1187	904	1132	1098	1003.5
1261	946	1242	1296.5	924
1213.5	844	1291	1353	960.5
1284	936	1212.5	1763	1124.5
1210	740.5	1108	1283	1090
1228	818	1060	1507.5	984.5
1053.5	860.5	1211	1295	1011
1311	863	1032	1558	1031
1175.5	890	1092.5	1345	1057
1125.5	808	1241	1462	1022
1383.5	876	1131	1421	973
1230	817	1084	1472.5	1166.5
1180	1027	1063	1564	966
1041	910	1258.5	1466	1238
1248	985	1348	1187	958
1187.5	839	1299	1329	1039
1171.5	810	1081	1590	1084
1221	1087	1097	1283.5	898
1178	885	1373	1419.5	984
1128	742	1208	1293	893
1163	884	1419	1264.5	932
1228	830	1060	1442	950
1157	708.5	1050	1068	899.5
1213	843	1126.5	1408.5	1054.5
1154	829.5	793	1482.5	1053
1208	798	1176	1360.5	893
1186	858	1184.5	1380.5	1113
1227	788	1235	1466	979

← J

⑭

K →

FIG. 12 (Continued)

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⑪

938.5	1373	1065	1328	955
938	1348.5	1132	1479	1027
935.5	1286	1106	1265	1132
930.5	1423	1099	1398.5	1197
925	1470.5	1395	1487.5	1078
922	1338	1300	1162	1193
921.5	1454.5	960	1445	1144.5
920	1313	1171	1421	1144
919	1337	1159.5	1300	1048
915	1302.5	1182.5	1515.5	1342
912	1329	1248.5	1534	1241
911.5	1318	1036.5	1443	1246
904.5	1477.5	1016	1329	1237.5
904	1353.5	937	1456	974
904	1446	1235.5	1451	1185
903.5	1382.5	1045	1259	1006
901.5	1462	1093	1488.5	963
901	1262	1144	1388	1096.5
888.5	1255	1114.5	1227.5	1097.5
885	1275.5	1176	1317	1090
878	1421	1194	1415	1336
871.5	1378.5	1235	1515	1246
868	1329	1140	1320	1207
867.5	1389.5	1216	1329	1020
860	1434	1043.5	1305	1132
857	1356	1368.5	1360	1149
853	1279.5	1092	1354	1196
849	1265	1117	1463.5	1007.5
848	1308	1292	1461	1042.5
847	1310.5	1005.5	1381	1076
845.5	1329	1262	1411	1124.5
839	1405	1056	1448	1249
837	1366.5	1187	1318	1156
837	1272	1198.5	1363	1157
833.5	1479	1122	1504	1106

←(K)

⑮
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FIG. 12 (Continued)

(L)→

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892	1954	950	1305
1074	1976	1113.5	1262
880	1880.5	1185.5	1367
893	2094	1145.5	1424
1037	2254	1181	1446
956	1927	1164	1374.5
1149	1996	1176	1384
1019	1933	1090	1308
928	2078.5	1220	1351
915	1973	1035	1434
1006	2076	1357	1427.5
915	2059	996	1366
1006	2055	1163	1330
974	2005	1010	1399
955	2079	1176	1555
895.5	1967	1168.5	1456
952	2059	1184	1507.5
1024	2132	1165	1435
964.5	2022	1227	1446
907	2097	1200	1402
979	2008.5	1026.5	1310
926.5	2102	1105.5	1424
950	1908	1028	1234
1003	2009	1105	1342
1012	2087	1110.5	1238
902	1962	1213.5	1447
963	1900.5	1057	1217
959	1924.5	1073	1457.5
891.5	1989	1152	1356.5
1008	1777	963.5	1349
901	1979	1039	1388
930	1998	1219	1391
974	1821.5	1060	1204
963	2016	1209	1334
934	2148	1217.5	1446.5

← ⑬

⑮
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FIG. 12 (Continued)

24/78

13

00451_644700	1600	1249	1239
00451_644606	1617	1162	1107
00451_644728	1777	1198	1065
00451_644635	1702	1109	1022
00451_644688	1752.5	1263	1167
00451_644616	1774	1182.5	1043.5
00451_644725	1837.5	1122	1200
00451_644663	1677	1108	1081.5
00451_644650	1795	1148	1052
00451_644640	1612	1206	1144.5
00451_644720	1785	1167	1073
00451_644651	1634	1188.5	1182
00451_644672	1617	1210.5	963
00451_644721	1648	1130.5	950
00451_644715	1625	1081	1101

FIG. 12 (Continued)

M

25/78

14

1227	788	1235	1466	979
1252	913	1235	1214	1025
1154	923	1381	1391	1011
1070.5	863	927	1402.5	1017
1164.5	769.5	1184	1235	1020
1222	855	1117	1223.5	1047.5
1283.5	912	1086	1520	1122.5
1364	933	1233	1370	1097
1128	1021	990.5	1505.5	892.5
1232.5	818	1243	1356.5	952
1280	789	1238	1380	1157
1256	938.5	1165	1499	807
1136	833.5	1030.5	1340	988
1098	782	1183	1308.5	1033
1258.5	778.5	1203.5	1434	937

M

FIG. 12 (Continued)

N

26/78

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833.5	1479	1122	1504	1106
830	1407.5	1198	1376.5	1218
830	1386	1284	1510	1216
824	1375	1080	1486.5	1183.5
823	1434	1022	1351	1216
816	1397.5	1095	1432	1127.5
811	1361	1171	1477	1170
810	1460	1124	1410	1047.5
792	1318	1215	1397	1083
781	1347.5	1200	1466.5	1030
778.5	1349	1039	1422	1197.5
757	1204	981	1377	1087
753	1417	1124	1402	1135
740.5	1429	1106	1429	1033.5
669	1390	995	1457.5	1205

← (N)

FIG. 12 (Continued)

⊙ →

27/78

16

934	2148	1217.5	1446.5
785	1955	1103	1373
910	1936.5	1056	1380
962	1995	962	1310
963	1928	1210	1475
875.5	2065.5	1168	1393.5
1000	2071	1144.5	1442
920	2009.5	1138	1175.5
833	1939	998	1372.5
829.5	1966	1169	1536
893	1955	1106	1421
930	1965	1031.5	1288
837.5	1925	1008	1221
1043	2017	1089.5	1278.5
855	1906	1116	1371.5

17

FIG. 12 (Continued)

Affimer Working ID	EGFR (FL1-A of QSH01)	mIgG2b (FL1-A of QSH03)	hIgG1 Fc (FL1-A of QSH05)
00453_644900	1857.5	1053.5	1830.5
00453_644808	1639.5	1022	1091.5
00453_645051	1630	1108	1086.5
00453_644819	1652	1198.5	1213
00453_644802	1671	1029	1179.5
00453_644873	1556	1036.5	1052
00453_644769	1736	1245	1065.5
00453_644869	1620	1086	1011.5
00453_644810	1796	1164	1482
00453_644809	1541.5	1119	1032.5
00453_644888	1704	1099.5	1448
00453_645069	1623	1230	1319.5
00453_644803	1743.5	1135	1416
00453_644823	1715.5	1044	1130
00453_644864	1675.5	1078	1295
00453_644924	1734	1272	1689
00453_645089	1809	1071	1466
00453_644861	1691	1106	1146
00453_644824	1548	1099	1064.5
00453_644919	1683	982.5	1205.5
00453_645036	1712	1136.5	1136
00453_644833	1672	1159.5	1151
00453_644851	1737.5	993	1454.5
00453_644926	1936	1216	1698.5
00453_645085	1679.5	1122	1213
00453_645010	1842	1123.5	1710
00453_644825	1796	1206.5	1248
00453_644912	1648.5	1793	1091
00453_644844	1878	1147	1240
00453_645033	1739	1033	1335
00453_644772	1690	1098	1239
00453_644751	1842.5	1093	1284
00453_644832	1752	1071	1221



FIG. 13



hPD-L2 (FL1-A of QSH06)	Her2 (R&D) (FL1-A of QSH08)	hPD-L1 (FL1-A of QSH10)	Trastuzumab (FL1-A of QSH11)	hIgG (FL1-A of QSH13)
1736.5	882	1163	180145	1255.5
1211.5	769	1144	175577	1054
1119	783	1178	167951	1021
1210.5	852.5	1230	163608.5	1100
1208	884.5	1035	161481	1078
1186	863	1035	150133.5	985.5
1151.5	883	1357	133402.5	971
1134	863	1148	123517.5	868
1423	828.5	1217.5	113116	1004
1109	802	1206.5	108140	925
1383	723	1138.5	106234	1073
1433	872	1214	98995	1089
1411	862.5	1362	98358	1140
1202	905.5	928	97128	1146
1219	812	1111	84553.5	967
1508	801.5	1250.5	83304	1035
1470	760	1105	78338	1022
1178	721.5	1177	77833	1068
1178	823	1078.5	77752	1020
1160	802	1143	75438	960
1163	768.5	1217.5	74310.5	995
1259	687	1153	70321	1004
1337	778.5	1163.5	68725	1011
1536	1022	1424	68205	1206
1227	919	1328.5	64471	968
1337	763	1264	63598	1071
1161	935.5	1335.5	63035.5	1063
1171.5	804	1003	61262	1000
1227	695	1027	59343	988
1456	750	1152	50967	1227
1278	787.5	1372	48521.5	982.5
1216	811	1232	44657	1140
1299	1001	1062	43627	992

← (A)

②
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FIG. 13 (Continued)

(B) →

30/78

Her2 (Sino) (FL1-A of QSH15)	Her3 (FL1-A of QSH16)	mPD-L1 (FL1-A of QSH18)	No target ctr (FL1-A of QSH22)	Avastin (FL1-A of QSH23)
728	1502.5	1364	1387	1574.5
861	1324	1079	1425	1132
748	1485.5	1092	1444	1162
861	1427	1136.5	1580	1212.5
893	1418	1006	1437	1202
785	1253.5	1145	1531	1101
846.5	2106	1170	1512	1121
849	1334	1080.5	1349	1012
927	1423.5	1268	1362	1415
885	1354	1025.5	1400	1025
842	1351.5	1046.5	1216	1421
887	1346.5	1151.5	1405	1442
834	1452	1161.5	1373	1418
868	1271.5	1033.5	1307	1140
718	1265	1060	1326	1345
884.5	1547	1308	1483	1515
922	1365	1214.5	1435.5	1402
793	1293	1144	1402.5	1090.5
842	1265	1077.5	1415	1141
969	1330	1138	1329.5	1211
920	1459	1148	1392	1136
802	1387	1135	1461	1171.5
839.5	1329	1315.5	1287	1340
876	1591	1524	1469	1795.5
752	1349	1256	1391.5	1346
857	1521	1443	1507	1646
927	1433	1157	1546	1175
723	1380	1095	1237	1067
861.5	1453	1077.5	1421	1118.5
817	1363.5	1233	1351	1360
729	1431	1205	1503	1265.5
903	1378	1221	1492	1267
820	1321	1140	1395	1241

←(B)

③
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FIG. 13 (Continued)

(C)→

31/78

Humira (FL1-A of QSH25)	Rituximab (FL1-A of QSH26)	mPD-L2 (FL1-A of QSH27)	Her4 (FL1-A of QSH28)
1639	2222	1586	1332
1009	1949	1189.5	1394
1017	1970	1227	1357
1041	2014	1233.5	1304.5
1016	1839	1192	1408
1019	1912.5	1075.5	1255.5
1132	1970.5	1642	1492.5
853	2048	1197	1330
1278	2057	1310	1357
1052.5	1925	1052	1303
1353.5	1987	1152.5	1245
1168	1978.5	1138	1343
1291	2129	1289	1396
901	1912	1236	1295
1227	1954	1141	1461
1454	2035	1251.5	1493
1488	2075.5	1194	1256.5
901	1857	1070	1384
884.5	2027	1006	1305
1113	1943.5	1060	1303
995	1995	1171	1334.5
1052	1925	1290.5	1370
1130	2143.5	1304	1443.5
1722.5	2115.5	1526	1379.5
1208	2033	1290.5	1418
1574	2050	1411	1292
1071	1987	1237.5	1375
952	1808	963	1184
1121	1998.5	1229.5	1432
1315	2110	1127	1355
1181	2024	1216	1304
1238	1993	1225	1264.5
1095	2136.5	1272	1351

←C

④
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FIG. 13 (Continued)

①

00453_644874	1760	1141	1243.5
00453_644887	1642	996	1122
00453_644921	1809	1241	1553.5
00453_645038	1717	1078	1561
00453_645035	1802.5	1148	1596
00453_645041	1746.5	1204	1480.5
00453_645030	1713	1057	1112
00453_644904	1737	995	1506.5
00453_644798	1793	1120	1259
00453_644753	1720	1221	986
00453_644891	1866	1159.5	1877.5
00453_644886	1770	1117	1539
00453_644853	1803	1066	1030
00453_644977	1599	1058	1393.5
00453_644777	1708	1091	1081
00453_644797	1629.5	1205	1020.5
00453_645111	1629	999	1108
00453_644754	1737.5	1224	1417
00453_644760	1580	1127	1563
00453_645094	1860	1117	1736
00453_644838	1856	1084	1508
00453_644781	1618	1059	1078
00453_644759	1652.5	1114	1084
00453_644868	1469	1012	1257
00453_644792	1645.5	1073.5	1518
00453_644991	1692	1047	1419.5
00453_644880	1801	1074	1752.5
00453_644764	1772	1191	1590
00453_644848	1844	1103	1529
00453_645043	1614	1030	1088.5
00453_644987	1788.5	1016	1689.5
00453_644997	1677.5	1165	1261
00453_644950	1739	1111	1367

⑤

FIG. 13 (Continued)

④

33/78

②

1453	877	1302		41091.5	1019.5
1206.5	810	1102.5		35642	1012
1369	929	1148		34638	1167.5
1507	855	1386		32862.5	1124
1365.5	788.5	1119		28013	1119.5
1327	887	1091		24984.5	1009
1205	837.5	1093		23350	1012
1489	806	1431		22227	1128
1290	710	1070.5		19871	1089
1323.5	862.5	1073		19301	1001.5
1747	826.5	1273.5		18955.5	1152.5
1519.5	786.5	1218		18790	1074.5
1291	910.5	1210		18587.5	1036
1202.5	657	1213.5		17713	964.5
1227	906.5	1318		17648	1006
1221.5	922	1189		17306	953
1096.5	763	1090		16978	1011
1335.5	780	1248.5		16454	1147
1429	890	1213		16277	1071
1690	798.5	1207		16163	1236
1552.5	886	1231		15900	1148
1210	806	904		15468	1020.5
1152.5	849.5	1213.5		15110	1028
1214.5	777	1181.5		14888	1051.5
1399	863	1229		14886	1044
1359	777	1082.5		14746	931
1600	841	1222		14666.5	1011
1593	868	1440		14637	1177
1364	739	1288		14554	1132
1152	829.5	1073		14458.5	1003
1696	775	1249.5		14342	1093
1086	732.5	1287.5		14283	1132
1434	867	1244		14058.5	1168

①

⑥

FIG. 13 (Continued)

⑤

34/78

③

761	1333	1251	1440	1310.5
853	1445.5	1210	1524	1246
984.5	1609	1288	1574.5	1499
847	1399	1316.5	1472	1571
702	1420	1266	1570.5	1588
785	1413	1303.5	1407	1316
780	1363	1113.5	1356.5	1284
824	1419.5	1233.5	1415	1536
755	1302.5	1063	1399.5	1264
720	1286	1096.5	1450	1097
880	1429	1253.5	1388	1806
979	1410	1324	1440	1605.5
857	1354	1069.5	1467	1057.5
960.5	1363	1040	1360.5	1294
973	1402	1001	1432	1189.5
841.5	1362	1167	1397	1045.5
850	1342.5	1138	1438	1011.5
888	1405	1318	1372.5	1311
888	1421	1212	1516	1374
874	1523	1542	1491	1782
778.5	1408	1302.5	1395.5	1497
783.5	1356	1189	1420.5	1235
909	1210	1019.5	1472	1139
904.5	1218	1045.5	1295	1169
831	1295.5	1295	1410	1448
774.5	1248.5	1131.5	1353.5	1343
661	1452	1322	1244	1484
833	1370	1383	1430.5	1666
833	1424	1327	1440	1475
742	1290	1122	1408	1086
883.5	1311	1435	1450	1564
726	1371	1025	1349	1180
851	1308.5	1335	1316	1451.5

←E

⑦

FIG. 13 (Continued)

F→

35/78

④

1373	2079.5	1401.5	1428
1078	2017	1208	1348
1512	2198	1780	1534
1436	2021	1310	1533.5
1513	2104.5	1365.5	1431
1248.5	2086.5	1343	1437.5
980	1933	1020	1346
1446	2230	1410	1494
1183	1965	1160.5	1278
990	2034.5	1016	1295
1793	2176	1300	1515.5
1528	2000.5	1342	1388
967	2052.5	1223.5	1348
1178.5	1938	1096.5	1240.5
904	2038	1157	1360
989	2043	1189	1367
878.5	1828	1195	1359
1321	2119.5	1290	1446
1531.5	2078	1309	1245
1664	2081	1539.5	1564
1529	2081	1505	1503
965.5	2042.5	974	1337
1049	1896	1097	1337
1046	1947.5	1197.5	1343.5
1502	2053	1216	1259
1385	1944	1256.5	1362
1431	2034	1308	1327
1755	2083	1474	1357
1522.5	2117.5	1391.5	1408
907	1847	1065	1212
1661	2205	1435	1305
1078.5	2068	1081	1303
1291	1956	1273	1310.5

←Ⓕ

⑧

FIG. 13 (Continued)

↑
⑤

00453_645057	1723	1147.5	1010.5
00453_645048	1645	1221	938
00453_644892	1647.5	1113	1057
00453_645037	1661	1113.5	962
00453_644938	1916	1125	1745
00453_644925	1708	1157	1145
00453_644915	1672	1107	1195

FIG. 13 (Continued)

Ⓢ→

37/78

↑
⑥

1140.5	769.5	1114	13990	809
1196	968	1218	13418	1121
1125	725	1052	13267	1002
1229	859	1232.5	12368.5	1012
1594	834	1299	12235	1195.5
1173.5	782	1216	11288.5	1060
1406	835	1089	3170.5	1040.5

← ⑥

FIG. 13 (Continued)

⑥ →

38/78

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⑦

920	1337.5	1114	1301	1124
664	1308.5	1154.5	1390	1235
892	1219.5	1133	1406	1074
892	1377	1079.5	1411	1101.5
847	1439.5	1291	1432	1543
807	1305	1139.5	1494	1219
807	1413	1292	1297	1268

←Ⓜ

FIG. 13 (Continued)

Ⓜ→

39/78

8

946	2060	1023.5	1337
1070	2108	1095	1297
873.5	2087	1353	1335
975	1963	1014	1359
1694.5	2101	1287	1432
1004	2140	1241	1402
1208	2031.5	1252	1283.5

1

FIG. 13 (Continued)

40/78

Affimer Working ID	EGFR (FL1-A of QSH01)	mIgG2b (FL1-A of QSH03)	hIgG1 Fc (FL1-A of QSH05)
PBS (BLANK)	1630.5	1071	1111
PBS (BLANK)	1710.5	1084	903
PBS (BLANK)	1554.5	1078	1044
PBS (BLANK)	1543	992	1043
PBS (BLANK)	1621	1051	1093
PBS (BLANK)	1697	1055	1000.5
NEGATIVE - - HA (NEGATIVE)	1656	1101	1089
NEGATIVE - - HA (NEGATIVE)	1628	996	971
NEGATIVE - - HA (NEGATIVE)	1643.5	1116	1118
NEGATIVE - - HA (NEGATIVE)	1640	1130	1144
NEGATIVE - - HA (NEGATIVE)	1598.5	1055	1007
NEGATIVE - - HA (NEGATIVE)	1664	1163	1049
ZIKA NS1 C12 () - HA (POSITIVE)	1663	54687	1014
ZIKA NS1 C12 () - HA (POSITIVE)	1588	55225	1158.5
ZIKA NS1 C12 () - HA (POSITIVE)	1766	43772.5	1031
ZIKA NS1 C12 () - HA (POSITIVE)	1736	45644	1063
ZIKA NS1 C12 () - HA (POSITIVE)	1658	52196	1033.5
ZIKA NS1 C12 () - HA (POSITIVE)	1734	41868	1143
00454_645193	1785	1090	1137
00454_645325	1648	1120.5	1001
00454_645324	1701	1190	1101
00454_645296	18689	1211	108570
00454_645277	1616	1097	1030
00454_645140	17415.5	1071	79251
00454_645250	14422	1168.5	73151
00454_645222	1621	1020	1109
00454_645156	1726	1059	1176
00454_645174	1528	1100	1163.5
00454_645178	1607	1219	1124.5
00454_645271	1737	1265	1160
00454_645234	1593	1092	1177
00454_645290	1725	1019	1202
00454_645304	1724.5	1089	1167

①
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FIG. 14

Ⓐ →

hPD-L2 (FL1-A of QSH06)	Her2 (R&D) (FL1-A of QSH08)	hPD-L1 (FL1-A of QSH10)	Trastuzumab (FL1-A of QSH11)	hlgG (FL1-A of QSH13)
1089	820	1343	1206	996
1094.5	830	1047	1359	928
1132	783	1062	1391	884.5
1122	811	1087	1367	1006
1079	810	1117	1361	920
1088.5	863	1148	1298.5	951
1085	957.5	990	1402	1015
1062	861	1014	1379.5	973
1181	745	1048	1246	963.5
1147	909	1135	1254	976
1215	833.5	1152	1310.5	1026
1132.5	850	1207.5	1431	1041
1062	825	1034.5	1381	1009
1192.5	814	1028	1500.5	960.5
1152	766	1052	1471	1038
1187	781.5	1063	1356.5	1041
1133	887	1082	1262	987
1127	969	1235	1426	1082
1349	1004.5	29696	1539	1128
1264	974	23210	1411	1079
1287	1046.5	22917.5	1504	1237
54516.5	1536.5	16156	139013	20297
1166	855	15552	1272	1004
43622	1201.5	14844	114642	16430
36800	1464	14150	105700	13898
1222	815	13524	1254	1045.5
1119	1056	13461	1284.5	1241
1240	937.5	13186	1493	1187.5
1211.5	834	13119	1450	1047.5
1299	887	12822	1370.5	1127
1280.5	1011	12603	1424	1068
1202	990.5	12387	1347	1088.5
1219	899	12054	1327	1025

← (A)

②
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FIG. 14 (Continued)

(B) →

42/78

Her2 (Sino) (FL1-A of QSH15)	Her3 (FL1-A of QSH16)	mPD-L1 (FL1-A of QSH18)	No target ctr (FL1-A of QSH22)	Avastin (FL1-A of QSH23)
882	1276	1035	1397	1075.5
957	1354	1093	1315	1151
831	1267	1069	1407	1012.5
863	1317	996.5	1349	1130
845	1308	1114	1330	1101
721	1349	1044	1357.5	1063
807	1216	974	1297	1121.5
746	1353	1022	1316	1001
785	1289	1001	1378	1041
833.5	1257	1047	1449.5	1027
715	1310	1060.5	1371.5	1093.5
869.5	1276.5	1192	1316	1058.5
904	1295	929	1513	1025
791	1244	1196	1414.5	1140
969	1310	1167	1465.5	1065
920.5	1368.5	1124	1345	1073
758	1313	1175	1301	1118
930	1376	1079	1451	1153.5
791.5	1416	1139.5	1570.5	1213
755	1373	1171.5	1491	1050.5
1000	1446.5	1203.5	1619	1087
1558	9050	34447	1722	80937.5
977	1355	998	1542	1043
1086	7678	31591	1498	67202.5
1450.5	8058	26664.5	1723	59332.5
966	1370	1046	1411	1019.5
853	1402	1176	1577.5	1049.5
827	1402	1076	1559	1103
912	1359.5	1179	1401	1225.5
835	1397	1117	1483	1116
752	1492	1087	1489.5	1187
758.5	1403.5	954	1521	1125.5
775	1356	1140	1307	1133

←(B)

③
↓

FIG. 14 (Continued)

(C)→

Humira (FL1-A of QSH25)	Rituximab (FL1-A of QSH26)	mPD-L2 (FL1-A of QSH27)	Her4 (FL1-A of QSH28)
848.5	1987	1148	1390.5
915	1962	987	1355.5
898	1952	1111	1354
953.5	1862.5	1133	1316
981	2065	1132.5	1375
861	1943	1125	1302
905	1807	1073.5	1346
937	1874	1026	1381
949.5	1986	1082	1291.5
933.5	1936	1138	1356.5
827	1970	1044	1334.5
931.5	2066.5	1190	1407
874	1903	1113	1278
961.5	1944	1095	1261
953.5	2009	1093	1247
901	2010	1085	1211
936	1989.5	1098	1413
996.5	1990	1104	1445
954	2070	1114	1488
1045.5	2066.5	954.5	1495.5
1111	2078.5	1242	1518
131315	22615	40253	4399
946	2029.5	1087	1437
86596	19134.5	37128	3722
84929	15932	30973.5	3826
986	1978	1042	1423
949	2012.5	1084	1502
1079	2023	1171	1610
890	1882	1085	1353
1040	2003	1138.5	1367
973	1957	1054	1476
1069	1952	1101	1571
977.5	2025.5	1163	1357.5

←C

④
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FIG. 14 (Continued)

①

00454_645287	14587.5	1176	67151
00454_645143	1798	1170	1084
00454_645169	13680	1101.5	82856
00454_645167	1600	1175	1022
00454_645175	1589	1144	960
00454_645160	1590	1088	1088
00454_645297	1664	1081	1015.5
00454_645152	1722	1119	1013.5
00454_645155	1690	1191.5	1076
00454_645202	13487	1059.5	83252
00454_645291	1673	1165	1018
00454_645144	1631	1143	978
00454_645326	1605.5	1170	1171
00454_645136	1634	1109	1094
00454_645281	1595.5	1121.5	1047
00454_645244	9506	1111.5	45050
00454_645289	1520	1117	1114
00454_645205	1609.5	1173	1110.5
00454_645120	1661	1173	1082
00454_645298	8834	946	35873
00454_645195	1539	1028	1019.5
00454_645268	1708.5	1093	1146
00454_645131	1781	1118.5	1047.5
00454_645116	8608	1222	32338
00454_645262	1666.5	1133	1200
00454_645121	1661	1240	1256.5
00454_645173	5170.5	1081	45807
00454_645284	5839	1165	23132.5
00454_645280	1623	1098	1060
00454_645132	1591	1200	1179
00454_645212	1566	1050.5	917
00454_645260	4442	1084	32130.5
00454_645166	2528.5	1087	13169
00454_645164	1691.5	1155	1128
00454_645118	1696	1138.5	1143.5

⑤

FIG. 14 (Continued)

④

45/78

②

36288.5	1518	11400.5	99037	18352
1289	828.5	10467	1437	1041
34870	1904	10415	115321	14048
1267	868	10265	1162	1008
1216	933.5	10170	1174	955
1264	1006	9941	1390	1135.5
1159.5	902	9151	1292	1022
1227	960	8958	1295.5	978.5
1278	914	8909	1477.5	1103
33579	1190	8875.5	117271	13220
1249	839	8869	1356	1100
1133	865	8848.5	1372	999.5
1259	987	8820.5	1415.5	1050
1183	893	8457	1349.5	960
1152.5	806	8154.5	1211	1179
22405	1086	7967	63728.5	8146
1292	756	7554	1364	1127
1202	791	7548.5	1352	1079.5
1222.5	781	7520	1570	1093
19074	1135.5	7405	54490	11801.5
1194	990	7236	1362	985
1136	855	7152.5	1199.5	973
1208	864	6750	1349	958.5
18935	1348.5	6229	57351.5	11405
1151.5	807	6201	1366.5	1034.5
1214.5	820	5958	1390.5	1113.5
18042	893	5438	7352	1451
12215	1040	5434	34368.5	8373
1117	756.5	5256	1075	996.5
1229.5	888	5184	1384	1032.5
1216.5	895.5	5091	1370	920
14030.5	834	4804.5	5806.5	1375
5665	750	4746	2900	1123
1151	786	4739	1260	996
1317	919	4669.5	1658	1101

④

⑥

⑤

FIG. 14 (Continued)

46/78

③

1488	7688	23226.5	1687	57068
877	1313	1125	1569.5	1126.5
1731	8274.5	24038.5	2117	57839.5
910.5	1273	1189	1375	1117
775.5	1341	1062.5	1514	1102.5
775.5	1437	1146	1540	1175.5
940.5	1311	1066	1543	1194.5
837	1328.5	1014	1539	1125.5
869	1370	1095	1481	1187
1281	8010	23969	1689	57015
801	1421	1100	1494.5	1218
840	1437	1049.5	1504	1108.5
861	1391	1000	1563	1108
723	1392.5	1201	1440	1052
979	1302.5	1026	1511.5	1157
1287.5	5309	15791	1586	35101
839	1359	1173	1510	1019
812	1270	1135	1435	1057
825	1405	1162.5	1485.5	1152.5
1009	4027	14606	1432	29550
885	1310	1192	1464	1178.5
680	1266.5	1234.5	1450	1030
802.5	1418.5	1028	1435	1103
1330.5	4966	13374.5	1621.5	32320
876	1359	1117	1365	1098
845	1354	1121	1366	1121.5
747	2402	12293	1329.5	2428.5
1166	3006	9588.5	1478	19147
858	1235	1065	1377	1062
737	1371	1105.5	1429	1099
774	1342	1110	1427.5	1065
815.5	2308	9346	1489	2161
671	1714.5	4103.5	1296	1417
771	1319	1152.5	1475	1191.5
830	1420.5	2127	1477.5	1565

←E

⑦

FIG. 14 (Continued)

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47/78

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83437.5	16320	27748	3903
1009	2053	1081	1467
99995	15617	28510	4712.5
996.5	2036	1094	1415
932	1951	981	1381
937	2059.5	1089	1338
938	2005.5	1125	1415
950	1977.5	1073	1383.5
952.5	2024	1172.5	1464
103142	13979.5	27687	3747.5
992	1996.5	1163	1422.5
890	1958	1101.5	1333
868	2019	1121	1467
1012.5	1968.5	1225	1340.5
931	1957.5	1168	1356
53953.5	10209	19496	2849
922.5	2116	1112	1423
931	2016	1007	1332
942	2086.5	1146	1396
48642	10507	16577.5	2474.5
962	1995	1023.5	1402.5
869.5	1972	1047	1399.5
892	1995.5	1117	1365
47237.5	8831	15231	2805.5
845.5	1972	1159.5	1439
927	1958.5	1213	1497
7381.5	2478	14660	1834
31953.5	7122.5	10349.5	2032.5
936	2003.5	1071.5	1376.5
890.5	1995	1004	1299
1028	2062	1114	1357
5606	2375	10820	1713
2968	2148	4891	1384
984.5	2021	1049	1456
1115.5	1931	1100	1411

←F

⑧

FIG. 14 (Continued)

⑤

00454_645171	1620.5	1111	995
00454_645142	5730	1082	39717.5
00454_645276	4595	1058	38717
00454_645130	1683.5	1020.5	1006
00454_645162	1567	998.5	1103.5
00454_645299	1655.5	1094	1141
00454_645138	1674	1119	1072
00454_645285	1759	1173	1061
00454_645282	1558	1060	1123.5
00454_645165	1685	1046	1173
00454_645185	1720	1102.5	1092
00454_645134	1699	1114	1224
00454_645141	1628.5	1128	1210
00454_645209	1525.5	1154	1219
00454_645267	1661	1198	1055.5
00454_645214	1817	1151.5	1174.5
00454_645179	1545	1070	879
00454_645117	4995.5	1075.5	36788
00454_645157	1710	1054.5	1162
00454_645213	1687.5	1097	1106
00454_645180	1585.5	1012.5	1048
00454_645286	1647	1059	1070
00454_645259	4787	1100	23727
00454_645129	3095.5	1135.5	14084
00454_645242	1660	1124	968
00454_645145	1683	1101.5	1107
00454_645170	4318	1144	25645
00454_645181	4500	1049	25746
00454_645216	1701	1221	1210
00454_645201	1610	1185.5	1063
00454_645261	4576	1103	24225
00454_645308	1759	1218	1155
00454_645275	1671	1049	1086
00454_645264	1782	1130.5	1052
00454_645249	1760	1054	996

⑨

FIG. 14 (Continued)

Ⓒ

49/78

⑥

1248.5	825	4619	1385	996
18126	993	4612	70677	7438
15884	832	4555.5	6325	1396
1200	922	4533	1293	1019
1211	992	4477	1354	982
1245.5	780	4372	1286	920
1243	936	4363	1540	1135
1136.5	839	4338.5	1233.5	1019.5
1213	817.5	4301.5	1253	1020
1225	849	4251	1305	957.5
1157	785	4239	1265.5	1011
1159	917	4046	1352.5	1053
1175	816.5	3967	1311	1028
1159	917	3951	1402	1046
1125	766.5	3902	1335	1043
1192.5	798.5	3898	1293.5	1019.5
1135	802	3702.5	1330	1001
14948	1101.5	3633.5	67452	6348
1245	787	3489	1326	1044
1221	929.5	3483	1423.5	995
1150	936	3479	1372.5	1029
1175	895	3410	1423.5	1004
11702.5	855.5	3336	38104	4227.5
7087	872	3294	22782	2437
1133	847	3258	1380.5	1070
1186	740	3226	1298	954
8722	933.5	3199	42398	4702.5
8798.5	907	3131	43687	4509
1186	863	3072	1365	981
1116.5	854	3048.5	1458	940.5
11179	985	3022	35506	3754.5
1221	849.5	3005.5	1639	1142.5
1087	752.5	2982.5	1332	1081
1135	775	2969	1325.5	986
1221	885	2954.5	1388.5	1028

←G

⑩

H→

FIG. 14 (Continued)

50/78

7

934	1278	1091	1403	1120.5
1014	3386	12038	1446	35610
881	2389	10949	1446.5	2113
856.5	1454	1130	1431.5	1146
868.5	1287.5	1089	1329.5	1005.5
866	1404	1195	1506.5	1082
874	1331	1094	1394.5	1151
906	1352.5	1063	1491	1099
785	1423	1219	1421	1204
820.5	1324	1036	1475	1206
901	1372.5	1119	1453.5	1160
847	1341.5	1006	1369	1073
735.5	1386	1087	1419	1039
888	1322	1184	1351	1078
800.5	1368.5	1082	1432	1197
744	1353	1187	1435.5	1155.5
822	1244.5	1071	1340.5	1116
869	3060.5	10229	1563	29634
902	1448	1089	1403.5	1208
837	1318	1004.5	1399	1225
742.5	1332	1133	1434.5	1012
787	1276	1122	1538.5	1148
960	2876.5	7656	1493.5	17120
890	1999	4385	1376	10822.5
879	1337.5	1073.5	1392	922
825.5	1272	1192	1424	1074
843.5	3245	6428	1325.5	16137
932	3301	5893	1407	16338.5
857	1439	1092.5	1419	1181
837.5	1252	1040	1394	1039.5
955	2705	7294	1443	16805
827.5	1415	1211	1435	1233
728.5	1195	1090	1384	1076
734	1315	1071	1390	1082
989.5	1216	1169	1466	1156.5

H

11

FIG. 14 (Continued)

I

51/78

8

965	1968	1138	1292
55979.5	6651.5	14541.5	2119
5959	2380	12777	1672
989	1957	1041	1461
893	2088	1070	1314.5
928	1876.5	1111.5	1446
976	2075	1030.5	1409
936	1961	1099	1313
941.5	1922	1017	1389
1019.5	1919	1089.5	1310.5
931.5	1966.5	1096	1348
876	2088	1123	1324
1014.5	2121.5	1219	1338.5
950.5	2033	1127	1452
885	1990	1016	1284
902	1955	1153	1442.5
924	2014	1049	1348.5
43950	5454	12677	2041
956.5	2000.5	1082.5	1464
1004	1951	1082	1424
888.5	1895	1151	1351.5
965	1942	1108	1405
29854	4895	9021.5	2046.5
16444	3619	5733	1718
944	1995	1074	1332
965	2028	1091.5	1405
37006	5461	7201	2014
38324.5	5263.5	7271	2179
1036	2011.5	1118.5	1321
968	2015	1138	1419
29575	4530	8562	1782
1254	2008	1308	1544.5
949	1874	1109	1409
937	1893.5	1185	1312.5
860	2092	1211.5	1372.5

1

12

FIG. 14 (Continued)

9

00454_645306	1632.5	1148	1089
00454_645196	4067	1122	30337
00454_645263	1671	1114	1049
00454_645188	4239	1045.5	32917
00454_645194	4131	1108	35041
00454_645190	1742	1142	1010
00454_645204	1540	1036.5	1023.5
00454_645191	1540.5	1114	1066.5
00454_645310	1696	1133.5	1198.5
00454_645227	1677	1054	1047
00454_645208	3960	1100	30807
00454_645311	1701	1238	1163.5
00454_645309	3898.5	1217.5	14158.5
00454_645224	1674	1149	1165
00454_645251	1768.5	1116	1020
00454_645319	1634	1151	1033
00454_645318	1659.5	1177	994.5
00454_645302	1696	1019	1025
00454_645307	1727	1126.5	1093
00454_645115	2696	1147.5	8206
00454_645328	1733	1104	1233
00454_645210	1663	1139.5	1024
00454_645113	1728	1157	937.5
00454_645288	1666	1004.5	1041
00454_645303	1590.5	1113.5	1076
00454_645317	1769	1084	1112
00454_645158	1640.5	971	1435
00454_645161	1644	1135.5	1113.5
00454_645147	1647	1159.5	1023.5
00454_645322	1644	1205	928
00454_645177	1738.5	1098	1114
00454_645203	1601	1154	988.5
00454_645320	1725.5	1144	1081.5
00454_645270	1650	1100	1214.5
00454_645327	1672	1057	1115.5

13

FIG. 14 (Continued)

J

↑
⑩

1237	1019.5	2918.5	1422.5	1106
10337	1011	2879	46737	3621.5
1057.5	897	2879	1437	927
11244	855	2871.5	48826	3399
11321.5	891	2855	50439	3528.5
1109	777	2849.5	1339.5	977.5
1271.5	748	2774	1341.5	998
1149	896	2741	1357	954
1195	1003	2668	1411	1078
1168	782	2647	1410	971
10297.5	943	2645.5	43612.5	3164
1217.5	903	2625	1448	1003.5
7384	922	2553	23002	3768.5
1173.5	773.5	2496	1142	1033
1273	818.5	2420	1241	1046
1214.5	820	2369	1247	1093.5
1138	822	2299	1295	892
1205	814	2214	1346	886
1278	875.5	2177	1361.5	1132
4630	917	2151	15656	1913.5
1157	937.5	2028	1322	982
1124	796	2006	1356.5	990
1127	799	1856.5	1284	869
1208	768	1798	1252	1027.5
1158.5	857.5	1720	1298.5	973
1124.5	812	1601	1191	896
1914	780.5	1475	1320.5	1065.5
1136	863	1473.5	1429.5	1001.5
1133.5	728	1354	1315	963
1113.5	775	1326	1537	1116
1051	734	1315	1384	968
1130	715	1310.5	1371	989.5
1159.5	917	1302	1255	982
1225	856	1286	1186	1011
1134.5	866	1279	1392.5	1086

← J

↓
⑭

FIG. 14 (Continued)

K →

54/78

11

865	1451	1072	1448	1154
836	2352	6982.5	1501	16918
911.5	1246	1116	1472	1174.5
919.5	2354	7643	1302.5	17814.5
814.5	2414	7294	1415	18413
851.5	1303	1128.5	1505	1117
881	1268	1035	1407.5	1076.5
809.5	1329	942	1389	1112.5
880	1337	1089	1476.5	1194
793.5	1332	1190	1526	1105
858	2289	6576	1521	16966
828	1372	1152.5	1329.5	1101
1104.5	2413	5281.5	1525	11538.5
831	1369	1157.5	1361	1139.5
757.5	1297	1069	1474	1085.5
904	1288	1065	1519.5	1192
884	1319	1124.5	1341.5	1087
780	1389	1173	1353.5	1087
819.5	1408.5	1070	1478	1119
852	1798	3035	1516	6865.5
875.5	1274.5	1063	1340	1048
879.5	1405	1114	1219	1066
1032.5	1334	1088	1580	1177.5
978.5	1238	1018	1389	1124
864.5	1369.5	1022	1411	1053.5
834	1262	1008	1404.5	1128
822	1387	1330	1355	1068
865	1322	1052	1432	1166.5
815	1329	1050.5	1395.5	1154
785	1248	1167	1426	1039
884	1309	1155.5	1523	1195
795	1363	1042	1270	1083.5
962	1280	1108	1392	1184
783	1335.5	1147.5	1382	1004
788.5	1364	1178	1409	1081

(K)

15

FIG. 14 (Continued)

(L)

55/78

12

1036	2072	1242	1526
36622	4743	8061	1950.5
919	1866	1039	1346
38499	4532	8273	1743.5
39260	4670	8346	1698.5
955	1958	1200	1329
927	2001	976.5	1314.5
939	1955	1118	1396
971	1998	1105	1452
860	2045	981	1423
35667	4230	7843	1656
988.5	1995	1093	1417.5
19026	4216	5972	1831.5
966	1997	1117	1380
892	1906	1144	1403.5
952	2002.5	988	1359
885	1946	1119	1315
934	1955	1086	1289.5
1081	2030	1142.5	1536
10547	2997.5	3834.5	1582.5
893	1938	1142.5	1378
817	1951.5	1047	1380
944	2048	1086	1450
934	2121	979.5	1362
858	1931.5	1221	1230.5
770.5	1965.5	1119	1340
860	1849	1462.5	1429.5
938	1969.5	1116.5	1368.5
984	1882.5	1049	1240.5
833.5	1978.5	1004	1372
887	2052	1025	1342.5
831.5	1946	1167.5	1388.5
936	2086	1126.5	1345
863	1922	1063	1329
854	1985.5	1064	1364

L

16

FIG. 14 (Continued)

↑
⑬

00454_645128	1670.5	1112	1082
00454_645151	1674	1108.5	930.5
00454_645226	1696	1208	1083.5
00454_645215	1759	1165	1170.5
00454_645329	1820.5	1134	983.5
00454_645235	1650	1008.5	1061.5
00454_645269	1668	1056	1103
00454_645217	1665	1106	1054
00454_645237	1663.5	1229	984.5
00454_645278	1706	1046	1069
00454_645127	1736	1157	1160
00454_645253	1678.5	1127	999
00454_645272	1561	1081	989
00454_645189	1619	1188.5	1117.5
00454_645200	1550	1426	1186
00454_645313	1640	1066	1035
00454_645148	1623	1135.5	1049
00454_645258	1648	1094.5	1054
00454_645206	1623	1086	1082
00454_645239	1682	1085.5	1056.5
00454_645187	1714	1109	1051.5
00454_645150	1691	1079	1027.5
00454_645323	1674	1097.5	1082
00454_645135	1634.5	1055.5	1011
00454_645241	1685	1152	1135
00454_645186	1711.5	1106	1011
00454_645153	1673.5	1208	971.5
00454_645125	1724.5	1176	1149
00454_645248	1593	1070	1044
00454_645154	1658	1099	1114.5
00454_645172	1650	1108	992
00454_645139	1832.5	1107.5	1022
00454_645252	1737.5	1226	960
00454_645321	1705.5	1118.5	1082
00454_645133	1601	1151.5	1044

⑰
↓

FIG. 14 (Continued)

Ⓜ→

57/78

14

1136	779	1277.5	1295	909
1158	822.5	1270	1350	1003.5
1170	943.5	1265	1388	1042
1181	886.5	1265	1189	982.5
1206	815	1262	1330	998
1221.5	753	1262	1360.5	853
1176	796	1256	1381.5	979
1136	782.5	1255.5	1243	1014
1251	836	1254	1367	1060
1123	825.5	1254	1292	992
1288.5	868	1252	1411	1074
1229	857.5	1250.5	1237	989
1230	863	1250	1222	998.5
1074	694.5	1246	1344	910
1153.5	701	1246	1419	968.5
1159	813	1241	1164	1063
1224	812	1232.5	1187.5	979
1044	827.5	1226.5	1318	1014
1152.5	799	1222	1307	947
1311	761	1220.5	1319	1068.5
1110	766	1216.5	1346	1031
1173.5	865.5	1208	1278.5	1027.5
1136	735	1197	1430.5	934
1297	685	1197	1319	1036
1197.5	783	1194	1540	1012
1070.5	852	1189	1321	922
1160	787.5	1182.5	1384	979
1127.5	868	1174.5	1365.5	986
1024	780	1168	1284	1024.5
1100.5	869	1167.5	1341.5	936
1114	828.5	1166.5	1175.5	966
1138	814	1165	1451	957
1089	869.5	1161.5	1425.5	1054.5
1203	829	1161.5	1400	987
1173	748.5	1148	1356	974.5

M

18

N

FIG. 14 (Continued)

58/78

↑
⑮

643.5	1292	1162.5	1399	1200
790	1349	1148	1445	1154
863	1348	1136	1521	1119
903.5	1301	1197	1435	1098
892.5	1233	979	1521	1145
954	1247	1185	1307	1098.5
890	1334	1222	1439	1213
797.5	1297	1060	1414.5	1068
934	1315	1083.5	1423	1115.5
814	1274	1076	1407	1096.5
874	1313	1127	1533	1050.5
783	1374	1044	1478.5	1093
726	1321.5	1051	1419	998
962	1381	1041	1413	1067
860	1272.5	1074	1322	1026.5
899	1364	1101	1364	1045
812	1307	987.5	1340	1024
790	1289	1049	1367	1154
906	1269.5	1070	1287	1115
896	1350.5	1022	1415	1117.5
854.5	1287.5	1007.5	1294	1106
879.5	1332	995	1412.5	1119.5
809	1327.5	1091.5	1317	1109.5
984.5	1318	1060	1386.5	1086
853	1390	1108	1388	1097
755	1268	1077.5	1415	1004
925	1189	1025.5	1431.5	1068
814	1310	1143	1391	1080
901.5	1228	1079	1494	1127.5
771.5	1291	1143	1478.5	1009
843.5	1286.5	1256	1364.5	982
819.5	1380.5	1031	1453	1212
703	1368.5	1127	1298.5	1160.5
817.5	1351	1081.5	1459	1181
837	1302.5	1097	1454	1101

← (N) ⑰ ↓ (O) →

FIG. 14 (Continued)

59/78

16

904	2126	1051.5	1411
891.5	1896	1117	1370
931	1979	1047	1429.5
896	1906	1176	1391
853	1939.5	1127	1335
972.5	1986	1033	1404
989.5	2052.5	1175.5	1408.5
893	1984	1185	1287
888	1966	1080	1264.5
951	1998	1184	1270.5
883.5	2017	1110.5	1397
920	2059.5	1179	1362
886.5	1966	1056.5	1310
913	1964	1118	1404
938.5	1864	980.5	1295
876	1999	990	1241
965	1876	1114	1361
833	1769.5	1007	1370
1002	1920	1109	1326.5
965	2052.5	1111	1444.5
883	1931	1080	1356
984.5	1988.5	1155	1355.5
810	1990.5	997	1393
1036	1931	1089	1369
928	2020	1175	1353.5
934.5	1979	1095	1257
981.5	1909	1163	1335
966	1941	1073.5	1424
801	1813	1051.5	1263
948	2009.5	1163.5	1385.5
890	1931.5	1072	1257
914	1998	1133	1332
841	2044.5	1186	1313
922	2047.5	1018	1263.5
922	1864	1135	1357.5

17

20

FIG. 14 (Continued)

60/78

17

00454_645182	1580	1157.5	1103
00454_645223	1600	967.5	1127
00454_645149	1651.5	1160	1143
00454_645168	1622	1175	1174.5
00454_645274	1646.5	1010.5	1150.5
00454_645231	1645	1082.5	1111
00454_645137	1672	1165.5	1047
00454_645192	1632.5	1199	1097
00454_645159	1599.5	1089.5	1100
00454_645183	1799	1106	1047
00454_645163	1631	1124	1073
00454_645305	1775	1076	1166
00454_645243	1663.5	1118	1055
00454_645301	1630	1133	1061.5
00454_645236	1768.5	1172.5	950
00454_645238	1745	1234	1109.5
00454_645312	1682	1086	983.5
00454_645119	1677	1243	1109
00454_645114	1792	1143.5	1047.5
00454_645273	1571.5	1042.5	1165
00454_645256	1655	1235	1064
00454_645300	1612.5	1044.5	1071
00454_645232	1602	1167	1008
00454_645221	1674.5	1197	1138
00454_645184	1620	1144	1097
00454_645254	1537	1133	1007.5
00454_645265	1648	1148	1070.5
00454_645246	1600	1128.5	1055
00454_645225	1624.5	1099.5	1071
00454_645211	1617	1065.5	1093
00454_645257	1648	1118	1106
00454_645229	1620	1155	1020
00454_645228	1596	1115	976.5
00454_645283	1699	1138.5	1118
00454_645292	1588.5	1097	1148

21

FIG. 14 (Continued)

P

61/78

18

1195	825	1145	1396	1037.5
1155	723	1143	1154	1043.5
1111	831.5	1142	1292.5	965
1248	868	1138	1317	985
1155.5	804	1134	1273	1068
1162.5	862.5	1133.5	1356	899.5
1157	885	1132	1399	968
1115	795.5	1128.5	1371	1047
1162.5	812	1125	1294	878
1149.5	831.5	1124	1318	1028
1108	804.5	1122	1307	985.5
1168.5	874.5	1122	1335	1074
1159.5	807	1121.5	1361.5	987
1107.5	778	1120.5	1280	1044
1127	895.5	1120	1302	942
1269	808	1119	1321	847
1200	920	1119	1486	886.5
1124	836	1118.5	1426	989
1240	857	1109	1311	1041
1141.5	756	1108.5	1260	956
1200.5	887	1103	1235	952
1184	851.5	1102.5	1353	1019
1108	863	1101	1340.5	931
1159	871	1100	1254	995
1127	799	1091	1332	998.5
1073.5	853	1087	1254.5	998.5
1174	852	1086	1369	1029
1179.5	908	1086	1287	1028.5
1252	910.5	1085.5	1586	1065
1135.5	761	1084	1385	1006
1202	717	1076	1252	933
1197	794.5	1065	1218.5	1006
1130	857	1060	1108	1016
1190	815	1059	1225.5	942
1079	793	1055	1325	974.5

P

22

FIG. 14 (Continued)

Q

62/78

19

885	1311	944	1441	1105
828	1264	950	1481.5	1060
864.5	1216	1213.5	1438.5	1068.5
888.5	1246	1141	1364	1105
933	1421	1200	1321	1236
825	1248.5	1110	1275	1089
772	1359	1166	1301	1100
890	1349	1008.5	1435	1096
814	1243	1078	1321	1084
790	1328	1137	1505	1175
753	1319.5	1068	1376.5	1148
877	1375	1186	1475	1141
815	1259	1161.5	1492	1033
823.5	1424	1122	1440	1122
833	1278.5	1014	1458	1073
800.5	1314.5	1006.5	1326	1019
837	1311	1196	1475	1133
885	1362	1109	1512.5	1061
901	1314	1099	1416	1159.5
909	1327	1056	1402	1068
745.5	1339.5	1037	1370	983
915.5	1278	1124	1407	957
830	1277	1070.5	1361	1045
894	1378	1206.5	1421	1148
841	1273.5	971	1351	1151
820	1295.5	1079	1323	1186
814	1344	1154	1367	1039
739.5	1280.5	1075	1299.5	1125
792	1284	1035	1423.5	1167
948	1347	1141	1459	1047
798	1373	1128	1432.5	1038
917.5	1251	965	1370.5	1173
892	1433	983.5	1202	1098.5
801	1402	1182	1348.5	1043
835	1324	947	1531.5	987

Q

23

FIG. 14 (Continued)

R

63/78

20

964	2008	1082	1321.5
899	1898	1152	1372.5
941.5	2006	1224	1307
949.5	1943	996	1259.5
952	1988	1170.5	1359
993	1882	1211	1321.5
917	1974	1127.5	1287
958	2018	1003	1337
887.5	1896	1105	1254
865	2049	1030	1356
879	1928.5	998	1278
837	1973.5	1197	1346
872	2031	1054	1332
968	1949	1033	1259
891.5	1938	1162	1297.5
927	2065.5	1125	1370
930	1860	1197	1447
949	2012.5	1326	1402
779	2053.5	1106	1297
850.5	1944	1115.5	1365
942	1939	1095	1315
868	1858	965	1359
880	1844	1012	1264
899	2015.5	1148	1485.5
852.5	1880	991.5	1325.5
836.5	1960	1101	1378
901	2005	1202	1386
919.5	1910	1099	1356
872.5	1908	1225	1366
962.5	2003.5	1179	1415
867	1887.5	1092	1388
841	1960	1101	1258
914	1948	1062.5	1243
895.5	1925.5	1030	1362
936	2010.5	1100.5	1248

←(R)

24

FIG. 14 (Continued)

64/78

21

00454_645255	1710	1024	1092
00454_645245	1666.5	1119	1088.5
00454_645266	1679	1022	913
00454_645126	1683	1135	1139
00454_645146	1704.5	971	936.5
00454_645233	1704	1063	1117
00454_645230	1744	971	1208
00454_645279	1726.5	1108	1109
00454_645207	1762	1115	995
00454_645240	1756	1088	1098
00454_645247	1620.5	1094.5	936
00454_645176	1553	1138	941

FIG. 14 (Continued)

S

65/78

22

1099.5	740	1051.5	1283	941
1165.5	779.5	1041	1400.5	1018
1121	834	1039	1275	1017
1130	841.5	1027	1271.5	960
1200	872.5	1000	1099	1049
1130	822	996	1398	1022
1215.5	858	981.5	1233	1065
1183	853.5	971	1303	1054
1236	782	962	1364	953
1017	789.5	960	1170	1027
1206.5	830	949	1397	998
1034	700	941	1327	887.5

← S

FIG. 14 (Continued)

T →

66/78

23

838.5	1279	1112	1370	1105
909	1319	1068	1463.5	1041
981	1295	1025	1443	1218
875	1364	1095	1521.5	1130
818	1351.5	1167	1450.5	1126
884	1434.5	1122	1400	1124
884	1174	1135	1410	1202
877	1240	1011	1356	1182.5
802	1340	1062	1365	1051.5
802	1218	1105	1306	947.5
863	1290.5	995	1368	982
755	1279.5	1024	1426	955

T

FIG. 14 (Continued)

U

67/78

24

876.5	1962	1198	1421
1019	1933	1141	1311
866	1847	1114	1318.5
874	2027	960	1412.5
896	2000	1071	1280
971	2075.5	1180.5	1404
902.5	1981	950	1360.5
851	1965	969	1304
946	1927	1159	1287
912	1868	1024	1273
896.5	1979	1166	1443
787.5	1904.5	1062.5	1261.5

U

FIG. 14 (Continued)

68/78

PD-L1 ELISA

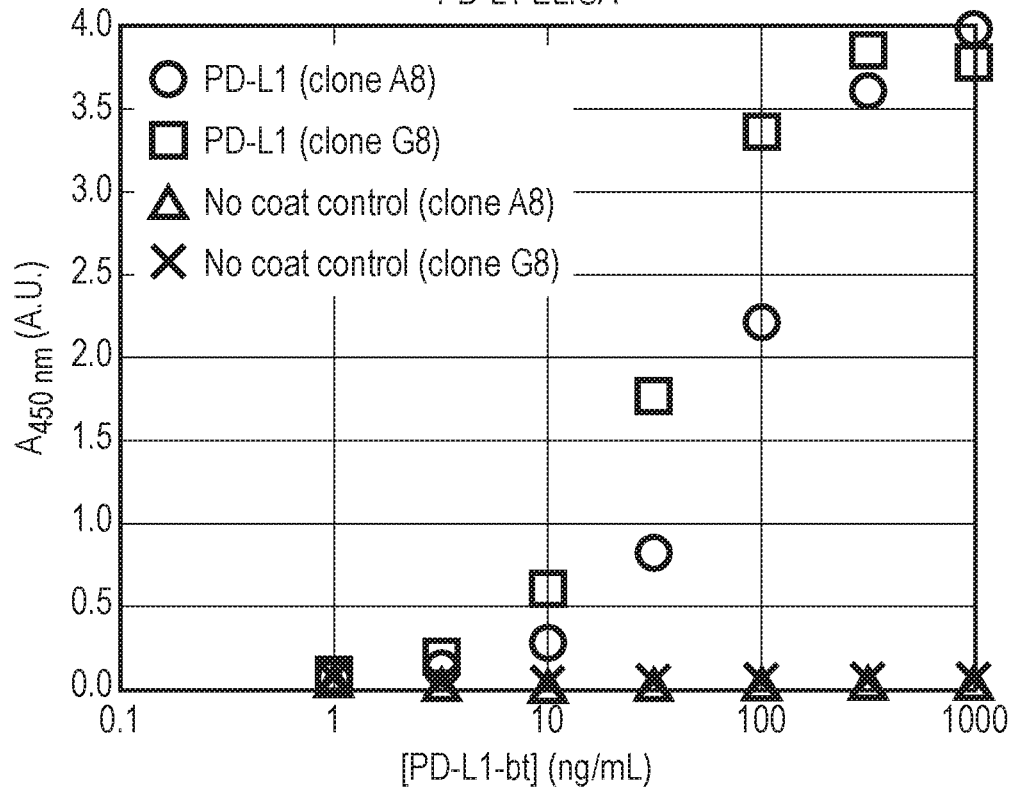


FIG. 15

Her2 ELISA

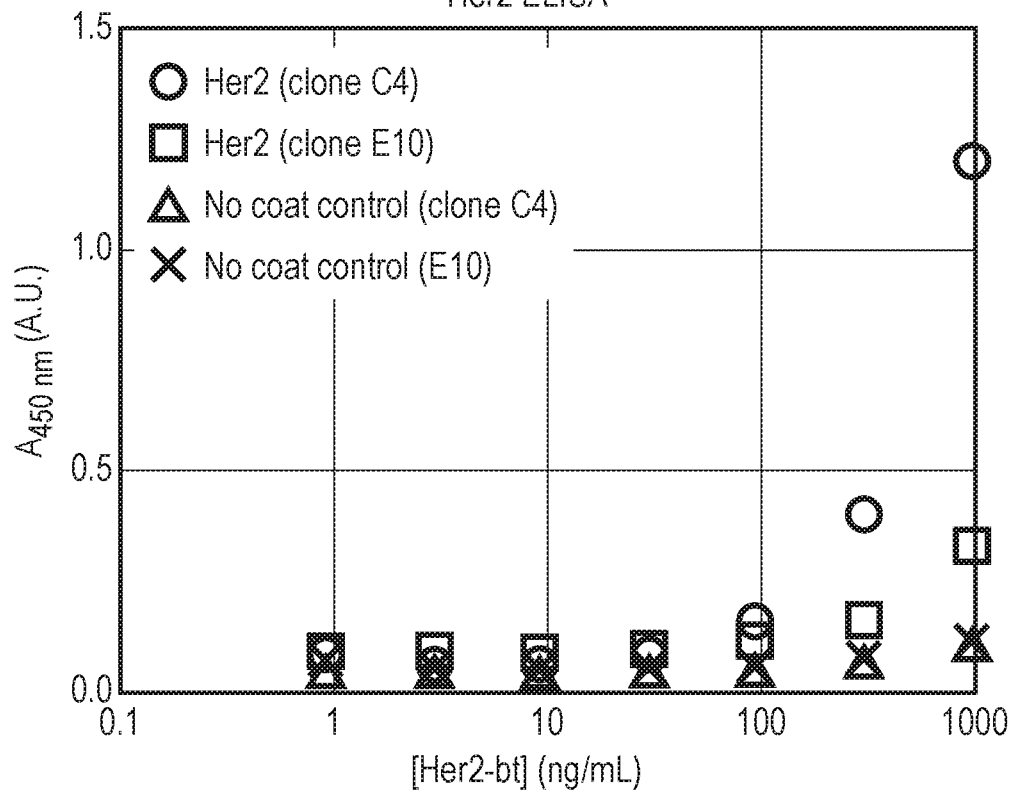


FIG. 16

Affimer Working ID	Canine PDL_1 (FL1-A of QSH02)	Human VEGFR2 (FL1-A of QSH04)
00492_655534	487686	1046.5
00492_655606	300170	968
00492_655478	265975	973
00492_655610	198066	1053
00492_655494	192523.5	1148
00492_655614	185154.5	1134.5
00492_655480	174787	1126.5
00492_655573	157161	962.5
00492_655572	156490.5	1171
00492_655611	150997.5	1025
00492_655638	139829	1028.5
00492_655648	133745	963
00492_655481	116414.5	1016.5
00492_655608	114909	949
00492_655505	109482.5	1066.5
00492_655533	107343	1116
00492_655652	106006	1052
00492_655495	105968	882
00492_655472	100676	979
00492_655585	100161	1178
00492_655521	99513.5	896.5
00492_655468	99499	1070
00492_655552	99086.5	984
00492_655471	98638	961.5
00492_655519	92743	843



FIG. 17



70/78

SMA(4A6)+BA- Peptide (FL1-A of QSH05)	Human FC (FL1-A of QSH10)	Canine PD1 (FL1-A of QSH18)	Amine Peg11 (FL1-A of QSH15)
1515	1362	1976	1057.5
1441	1235	1489	1087.5
1268	1569	1512	1031
1270	1458.5	1414	1163
1341.5	1284	1467.5	966.5
1489	1330	1602	1180
1248	1364	1371	1173
1132	1338	1404	1112
1558	1510	1332	1105.5
1343	1202.5	1261	914
1502.5	1299	1623	970.5
1310	1254	1448	976
1190	1149	1241	934
1334	1346.5	1406	1055
1278	1245	1357	1086
1275	1252	1278	920
1196	1205	1178	858
1254	1178.5	1427	1031.5
1297	1301.5	1319	928.5
1585.5	1233	1291.5	1140
1262	1197	1186	935
1308	1324	1259.5	999
1224	1232	1168	967.5
1389.5	1462.5	1245	1066.5
1245	1179	1346	1148

←(A)

②
↓

FIG. 17 (Continued)

(B)→

mlgG2b (Control) (FL1-A of QSH21)	No Target (Control) (FL1-A of QSH26)	Fumonisin B1 (FL1-A of QSH29)	SMA (2A9) + BA-Peptide (FL1-A of QSH22)
2661	2272	1297	2172
2557.5	2138	1283	2493
2674	2396	1466	2397.5
2872.5	2102	1257	1679
2447	2272	1182.5	2143
2378	2214	1250.5	1848
2598	2221.5	1300.5	1982
2609	2267	2566	2648
2811	2219.5	1763	2302
2345	1946.5	1558.5	2286
2722.5	2202.5	1674	2299.5
2672	2157	1741.5	2216.5
2397.5	2214	1271	1734
2642	2091	1561	1972
2429	2129	1295	2071
2432	2019	1349	1992
2302	2075	1173.5	2039.5
2234	2034	1047	1874
2647	2243	1255.5	2030
2459.5	2375	2440	2723.5
2497	2138	1315.5	1929
2589.5	2040.5	1406	1850
2214.5	2029	1233	1693
2359	1979	1089	2259
2217	2110	1311.5	1739

← (B)

(3)
↓

FIG. 17 (Continued)

①

00492_655541	☐	89444	1081.5
00492_655601	☐	84042	1041.5
00492_655551	☐	81090.5	1011
00492_655639	☐	81068.5	941
00492_655465	☐	80613.5	1054
00492_655477	☐	77681.5	1065
00492_655520	☐	75087	1121
00492_655591	☐	75010	958
00492_655627	☐	71011.5	1057
00492_655605	☐	67170	1096
00492_655654	☐	65882	971.5
00492_655563	☐	60901	1081
00492_655574	☐	56010.5	1122
00492_655562	☐	54184.5	1021.5
00492_655625	☐	53675	1036
00492_655612	☐	52102	1092
00492_655488	☐	51106.5	947
00492_655583	☐	50260.5	965.5
00492_655530	☐	50008.5	1019
00492_655514	☐	49577	1040
00492_655650	☐	48880	1038
00492_655482	☐	48521	994
00492_655643	☐	46995.5	1035
00492_655511	☐	44026	951.5
00492_655518	☐	43791	1001
00492_655576	☐	42227	1021
00492_655641	☐	38459	1173
00492_655628	☐	37765	918.5
00492_655607	☐	36757.5	985

④

FIG. 17 (Continued)

©

73/78

②

1434	1286	1268	1021
1428	1302	1338	1147.5
1119	1204	1157	1095.5
1154.5	950	1211	856
1316	1280	1268	1130
1543.5	1354	1270	1132.5
1723	1338	1023	1151.5
1202	1206	1093	793
1141	1292	1142	893
1286.5	1150.5	1474	1071
1247	1291.5	1152	1062
1435.5	1086	1329	925
1550	1430.5	1243	938.5
1356	1234.5	1348	1041
1513.5	1307.5	1524	1116
1208	1216	1232	853
1723	1199	1340	1049
1111	1233.5	1211.5	1130
1410	1459.5	1193	1008
1315.5	1203	1252	989
1057	1139	938	987
1297	1198	1275	973
1208	1216.5	1109	999
1154	1165.5	1225	1022.5
1186.5	1211.5	1217	1068
1193	1272	1393	1160
1532	1380.5	1197.5	983
1119	1154	1220	767
1351	1333.5	1537	1130

←③

⑤

FIG. 17 (Continued)

④→

74/78

③

2462.5	2247	1293.5	1992.5
2552	2248	1226	1736
3043	2218	1353.5	1772.5
2304	1895.5	917	1619.5
2676	2252	1289	1798
2385	2254	2714	2759.5
2493	2052.5	1216	2159
2653.5	2086	1303	2215.5
2275.5	1914	1383.5	1774
2437	2154	1806	2519.5
2076.5	2154	1324	2008
2887	2277	1685	2102
2672	2234	2642	2933
2631	2201	1846	2153
2727	2260	2297.5	2626.5
2380	2167.5	1356.5	2405
2926.5	2227	2009	2996.5
2570	2164	1303	1991
2100.5	2078	1273	1655.5
2536	2027.5	1308.5	1981.5
2538.5	2073	1297	1935
2655	2183.5	1276	2234
2237	1869.5	1326	1768
2639	2044.5	1272.5	1788
2514.5	1901	1198.5	1779
2509	2100.5	1539.5	2086
2756	2237	2259	4318
2252	1761.5	1712	1900
2315	2038	1326	1757

④

⑥

FIG. 17 (Continued)

75/78

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00492_655529	□	32520.5	1035
00492_655567	□	31602	1066
00492_655528	□	29826	1039
00492_655557	□	27151	981.5
00492_655564	□	25662	877
00492_655582	□	25377	992
00492_655613	□	24028.5	1218
00492_655485	□	21284.5	928
00492_655501	□	20252	1077
00492_655634	□	20036	1079
00492_655543	□	19493	1022
00492_655587	□	19437	975
00492_655577	□	18999.5	1113
00492_655633	□	16266	1014
00492_655594	□	15210.5	1010
00492_655542	□	12009	1021
00492_655655	□	10450	1018
00492_655609	□	8522	1073.5
00492_655490	□	7667	1136
00492_655584	□	6709	1021.5
00492_655487	□	4646	960

FIG. 17 (Continued)

⑤→

76/78

⑤

1151.5	1206	1454	1136.5
1015.5	1183	1250.5	1185.5
1285	1178	1510	1095
1321	1189	1170	923
1114	1130	1400	1000.5
1174.5	1153	1199	957
1566	1448	1323	1116
1380	1170	1175	1052
1206	1145.5	1204.5	1046
2175.5	1472	1252.5	1168
1702.5	1305.5	1319	1008
1089	1137	1065	834
1335	1273	1446	1065
1380.5	1260	1161	1141
1133	1304.5	1119	1029
1646.5	1493	1329	892.5
1211	1190	1192.5	1018
1319	1338.5	1289	1057
1218	1204	1253	938.5
1482	1484.5	1316	989
1571	1163	1158.5	912

←E

FIG. 17 (Continued)

F→

77/78

⑥

2536	2199.5	1440.5	2305
2299	2203	1276	1742.5
2622.5	2121.5	1349	1942
2292	1892	1251	1724
2399	1935.5	1214	1623
2510	1922	1194	2507.5
2504	2278	1285	2286
2386	2078.5	1213	2206.5
2456	2211	1309.5	1639
2509	2216	3030.5	4665
2343	2054	2326	2610
2431	2052	1077.5	1520
2680.5	2226	2042	2366
2951	1986	2174	2346
2597	2017	1805.5	2535.5
2466	2195.5	1311.5	2585
2647	2038	1515	2277
2525	2159	1426.5	2049
2763	2213	1385.5	2079
2540	2195	2603.5	2525
2677.5	1989.5	1224	2006

←Ⓣ

FIG. 17 (Continued)

78/78

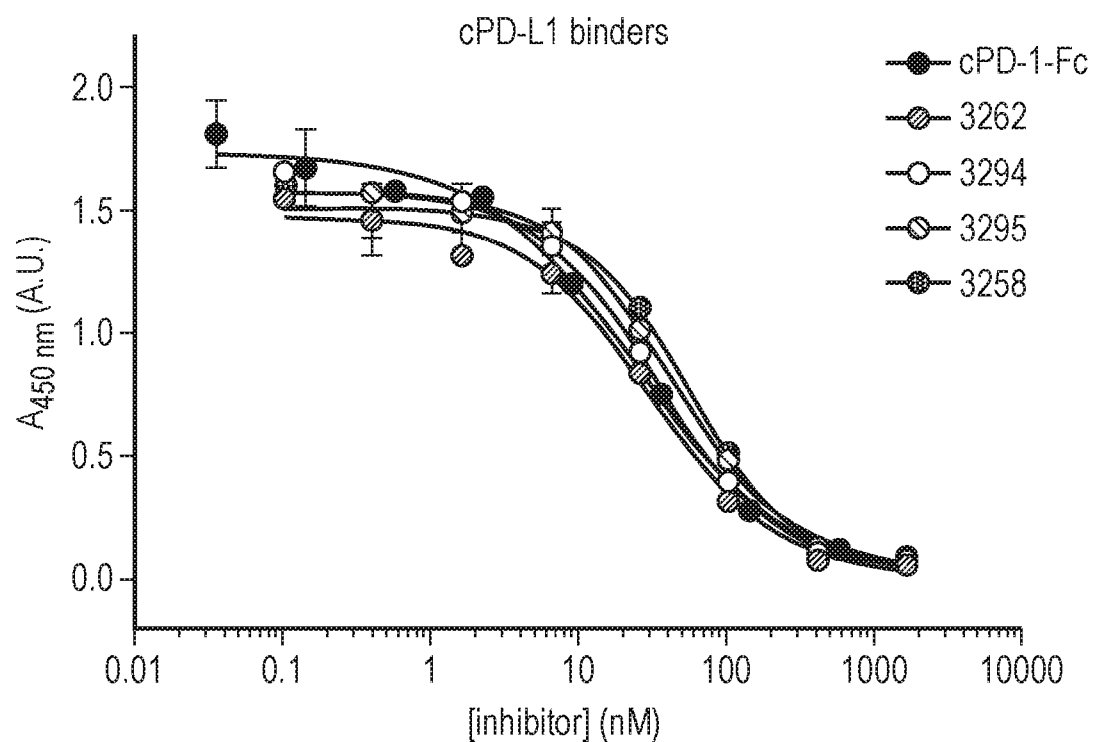


FIG. 18

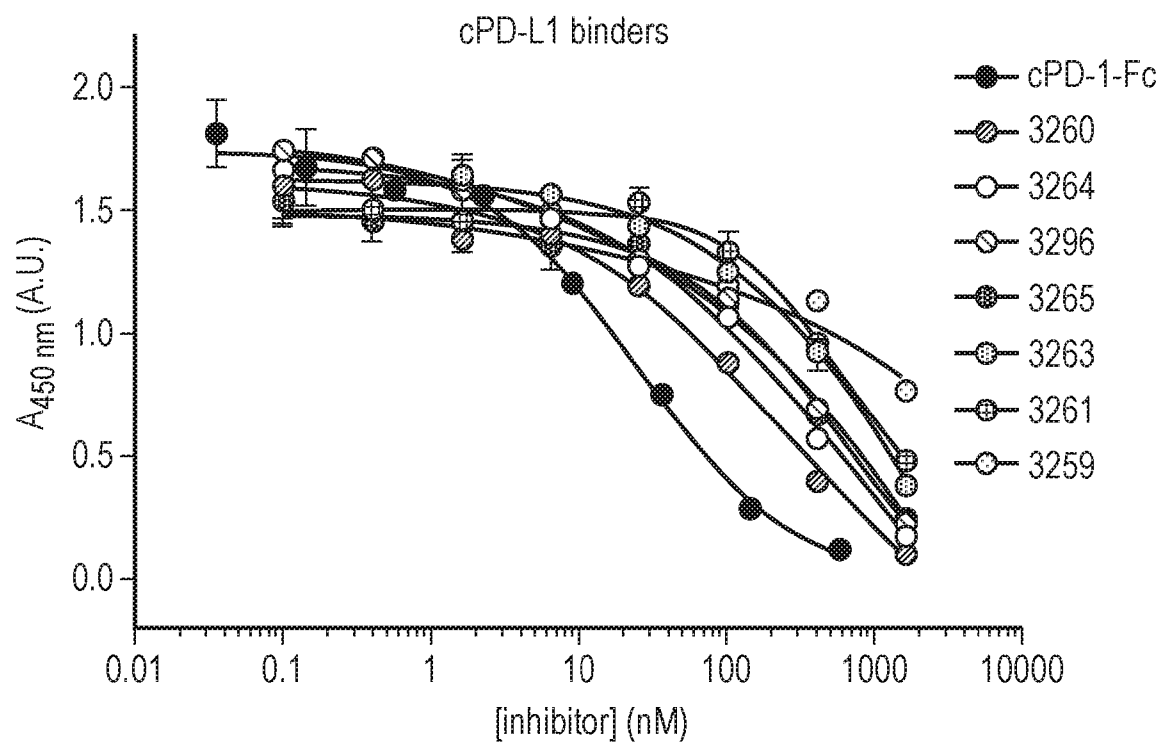


FIG. 19