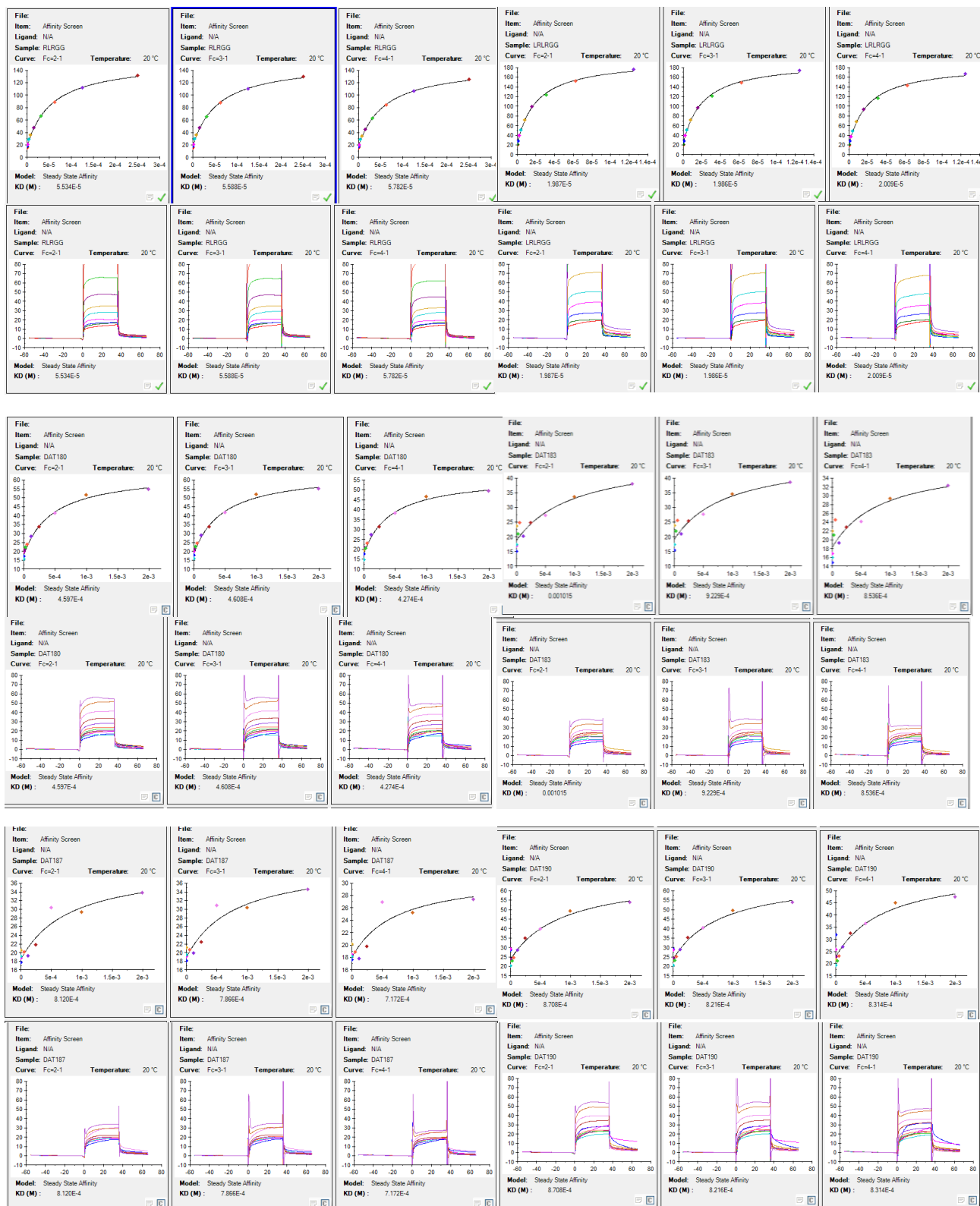
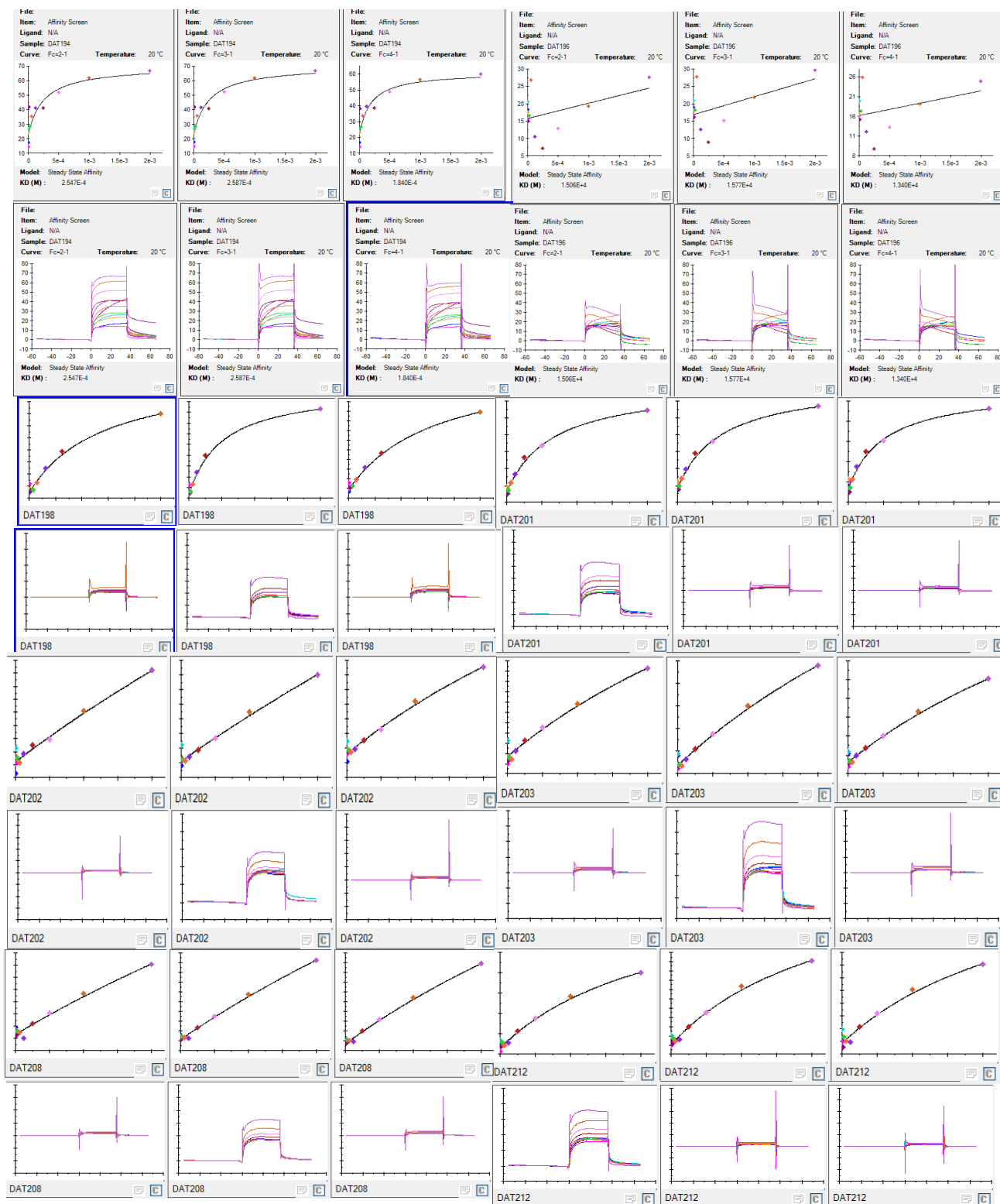


## Experiment 1: Raw Data, Binding Curves and Sensograms (n=3)



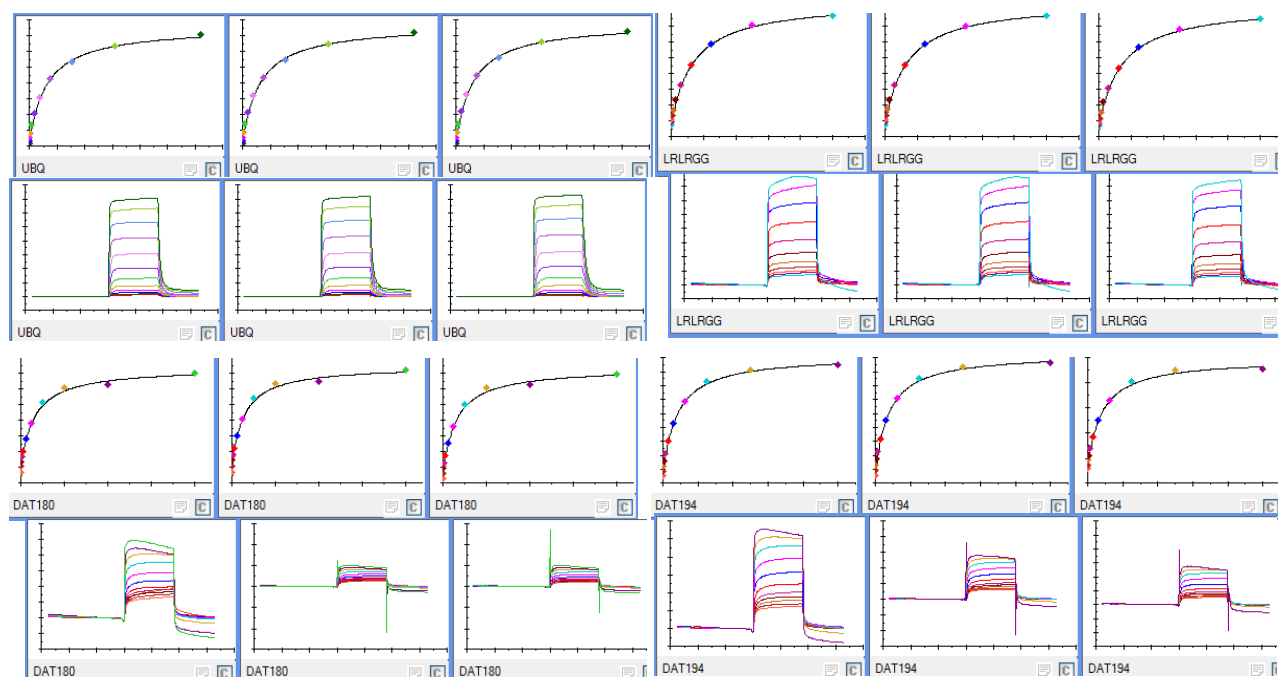


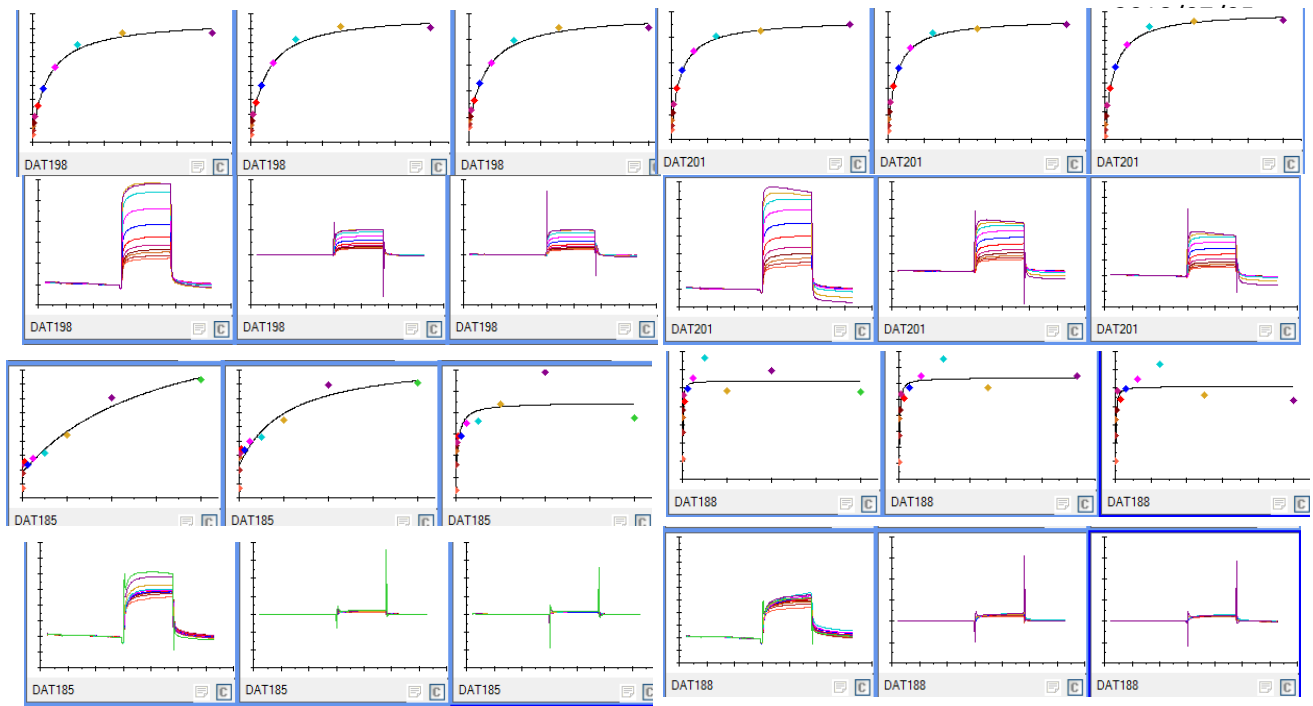
Sample	KD (M)	Rmax (RU)	Control Rmax (RU/100 Da)	Chi <sup>2</sup> (RU <sup>2</sup> )	Ligand	Model	Curve
RLRGG	5.53E-05	139.2	N/A	3.17	N/A	Steady State Affinity	Fc=2-1
RLRGG	5.59E-05	136.9	N/A	3.88	N/A	Steady State Affinity	Fc=3-1
RLRGG	5.78E-05	132.8	N/A	3.74	N/A	Steady State Affinity	Fc=4-1
LRLRGG	1.99E-05	177.7	N/A	11.6	N/A	Steady State Affinity	Fc=2-1
LRLRGG	1.99E-05	173.8	N/A	11.5	N/A	Steady State Affinity	Fc=3-1
LRLRGG	2.01E-05	168.1	N/A	10.7	N/A	Steady State Affinity	Fc=4-1
DAT180	4.60E-04	46.3	N/A	2.43	N/A	Steady State Affinity	Fc=2-1
DAT180	4.61E-04	46	N/A	2.67	N/A	Steady State Affinity	Fc=3-1
DAT180	4.27E-04	39	N/A	2.6	N/A	Steady State Affinity	Fc=4-1
DAT183	1.01E-03	28.8	N/A	8.45	N/A	Steady State Affinity	Fc=2-1
DAT183	9.23E-04	28.3	N/A	9.08	N/A	Steady State Affinity	Fc=3-1
DAT183	8.54E-04	19.7	N/A	8.21	N/A	Steady State Affinity	Fc=4-1
DAT187	8.12E-04	21.6	N/A	3.73	N/A	Steady State Affinity	Fc=2-1
DAT187	7.87E-04	21.9	N/A	3.49	N/A	Steady State Affinity	Fc=3-1
DAT187	7.17E-04	13.3	N/A	3.5	N/A	Steady State Affinity	Fc=4-1
DAT190	8.71E-04	44.5	N/A	9.04	N/A	Steady State Affinity	Fc=2-1
DAT190	8.22E-04	43.8	N/A	8.53	N/A	Steady State Affinity	Fc=3-1
DAT190	8.31E-04	36.5	N/A	14.5	N/A	Steady State Affinity	Fc=4-1
DAT194	2.55E-04	46.7	N/A	48.9	N/A	Steady State Affinity	Fc=2-1
DAT194	2.59E-04	46.7	N/A	48.3	N/A	Steady State Affinity	Fc=3-1
DAT194	1.84E-04	39.6	N/A	37.8	N/A	Steady State Affinity	Fc=4-1

DAT196	1.51E+04	66122136.9	N/A	35	N/A	Steady State Affinity	Fc=2-1
DAT196	1.58E+04	81352259.6	N/A	30.5	N/A	Steady State Affinity	Fc=3-1
DAT196	1.34E+04	41877612.2	N/A	27.8	N/A	Steady State Affinity	Fc=4-1

Sample	KD (M)	Rmax (RU)	Control Rmax (RU/100 Da)	Chi <sup>2</sup> (RU <sup>2</sup> )	Ligand	Model	Curve
DAT198	5.08E-04	19.8	N/A	0.634	N/A	Steady State Affinity	Fc=2-1
DAT198	6.51E-04	26.7	N/A	0.406	N/A	Steady State Affinity	Fc=3-1
DAT198	5.63E-04	20.3	N/A	0.519	N/A	Steady State Affinity	Fc=4-1
DAT201	6.48E-04	31.9	N/A	0.933	N/A	Steady State Affinity	Fc=2-1
DAT201	6.17E-04	31.6	N/A	0.892	N/A	Steady State Affinity	Fc=3-1
DAT201	5.12E-04	24.6	N/A	1.63	N/A	Steady State Affinity	Fc=4-1
DAT202	1.99E-02	129	N/A	0.625	N/A	Steady State Affinity	Fc=2-1
DAT202	1.46E-02	57.7	N/A	0.244	N/A	Steady State Affinity	Fc=4-1
DAT202	7.03E-03	53.5	N/A	0.537	N/A	Steady State Affinity	Fc=3-1
DAT203	5.56E-03	83.7	N/A	1.64	N/A	Steady State Affinity	Fc=3-1
DAT203	6.64E-03	95.5	N/A	1.48	N/A	Steady State Affinity	Fc=2-1
DAT203	5.97E-03	68.7	N/A	2.66	N/A	Steady State Affinity	Fc=4-1
DAT208	8.47E-03	85.6	N/A	0.177	N/A	Steady State Affinity	Fc=3-1
DAT208	1.17E-02	110.8	N/A	0.241	N/A	Steady State Affinity	Fc=2-1
DAT208	1.30E-02	85.9	N/A	0.497	N/A	Steady State Affinity	Fc=4-1
DAT212	2.39E-03	39.8	N/A	0.649	N/A	Steady State Affinity	Fc=3-1
DAT212	2.37E-03	40.5	N/A	0.725	N/A	Steady State Affinity	Fc=2-1
DAT212	2.92E-03	30.6	N/A	0.877	N/A	Steady State Affinity	Fc=4-1

## Experiment 2: Raw Data, Binding Curves and Sensograms (n=3)





Sample	KD (M)	Rmax (RU)	Chi <sup>2</sup> (RU <sup>2</sup> )		Model	Curve	
UBQ	6.19e-061473.4	N/A	424	N/A	Steady State Affinity	Fc=2-1	Cleared
UBQ	6.09e-061502.0	N/A	376	N/A	Steady State Affinity	Fc=3-1	Cleared
UBQ	5.89e-061525.2	N/A	325	N/A	Steady State Affinity	Fc=4-1	Cleared
LRLRGG	3.36e-05156.4	N/A	1.99	N/A	Steady State Affinity	Fc=2-1	Cleared
LRLRGG	3.35e-05155.6	N/A	1.67	N/A	Steady State Affinity	Fc=3-1	Cleared
LRLRGG	3.46e-05154.4	N/A	1.17	N/A	Steady State Affinity	Fc=4-1	Cleared
DAT180	1.51e-0431.7	N/A	1.68	N/A	Steady State Affinity	Fc=2-1	Cleared
DAT180	1.33e-0432.3	N/A	1.55	N/A	Steady State Affinity	Fc=3-1	Cleared
DAT180	1.43e-0434.1	N/A	0.947	N/A	Steady State Affinity	Fc=4-1	Cleared
DAT194	7.87e-0542.8	N/A	0.547	N/A	Steady State Affinity	Fc=2-1	Cleared
DAT194	7.41e-0543.2	N/A	0.733	N/A	Steady State Affinity	Fc=3-1	Cleared
DAT194	7.75e-0543.5	N/A	0.855	N/A	Steady State Affinity	Fc=4-1	Cleared
DAT198	8.83e-0540.3	N/A	1.21	N/A	Steady State Affinity	Fc=2-1	Cleared
DAT198	8.60e-0541.9	N/A	1.34	N/A	Steady State Affinity	Fc=3-1	Cleared
DAT198	9.47e-0544.2	N/A	1.22	N/A	Steady State Affinity	Fc=4-1	Cleared
DAT201	5.08e-0543.2	N/A	0.367	N/A	Steady State Affinity	Fc=2-1	Cleared
DAT201	4.71e-0543.8	N/A	0.561	N/A	Steady State Affinity	Fc=3-1	Cleared
DAT201	4.83e-0543.9	N/A	0.816	N/A	Steady State Affinity	Fc=4-1	Cleared
DAT185	1.56e-0311.9	N/A	0.319	N/A	Steady State Affinity	Fc=2-1	Cleared
DAT185	5.32e-047.5	N/A	0.627	N/A	Steady State Affinity	Fc=3-1	Cleared
DAT185	3.05e-053.2	N/A	0.573	N/A	Steady State Affinity	Fc=4-1	Cleared
DAT188	2.68e-065.6	N/A	0.397	N/A	Steady State Affinity	Fc=2-1	Cleared
DAT188	2.81e-066.8	N/A	0.374	N/A	Steady State Affinity	Fc=3-1	Cleared
DAT188	1.51e-066.7	N/A	0.366	N/A	Steady State Affinity	Fc=4-1	Cleared