

Supplementary Table 1. Analytical Data for CGI Binding Peptides

Peptide	Purity	Column Dimensions	Method	FlowRate	HPLC Retention Time	Theoretical MW	Observed MW
5843	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	23.9	732	732.6
5773	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	22.4	801.77	800.55
5774	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	24.2	767.33	766.5
5762	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	9.0	731.91	731.65
5763	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	11.2	800.8	799.5
5764	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	10.1	766.34	765.55
5771	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	9.4	749.9	749.6
5765	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	10.1	766.35	755.65
5766	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	9.4	761.9	761.55
5767	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	20.4	761.9	761.55
5776	>75%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	23.3	785.7	784.55
5775	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	9.9	751.34	750.45
5768	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	11.4	786.77	787.55
5769	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	22.9	752.3	751.55
5772	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	9.7	735.87	735.65
5770	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	10.4	752.32	751.55
5588	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	21.7	747.9	747.4
5587	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	22.5	731.9	731.4
5760	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	22.2	731.9	731.6
5852	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	19.2	735.69	735.4
5583	>90%	4.6 x 250 mm	5-65% acetonitrile/water/0.1%TFA	1ml/min	23.6	769.37	768.3
5807	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	34.0	688.3126	688.3137
5824	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	26.7	707.2985	707.2975
5823	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	26.7	707.2985	707.299
5822	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	27.67	723.2689	723.269
5825	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	27	703.3235	703.3241
5846	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	29.29	757.2299	757.2288
5849	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	39.83	790.1957	790.1974
5926	>90%	4.6 x 250 mm	0-60% acetonitrile/water/0.1%TFA	1ml/min	29.3	759.2501	759.2483