

Supplementary Table 1. Analytical Data for PBD Binding Peptides

Peptide	Purity	Column Dimensions	Method	FlowRate	Retention Time	Theoretical MW	Observed MW
292	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	14.6	997	996.7
5821	>90%	4.6 × 250 nm	15-75% acetonitrile/water/0.1%TFA	1ml/min	16.5	1039.1	1037.9
345	>90%	4.6 × 250 nm	21-51% acetonitrile/water/0.1%TFA	1ml/min	10.2	945.1	945.5
5795	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	13.5	999	998.5
5783	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	16.1	839	838.6
5714	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	11.1	667.6	667.4
5649	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	12.3	720.7	720.5
5781	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	14.4	762.8	762.5
5782	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	12.2	719.7	720.4
5743	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	12.2	745.7	746.4
5744	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	13.3	693.8	693.5
5594	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	17.1	870.82	871.25
5598	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	16.5	853.79	853.25
5603	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	19.1	914.27	914.2
5756	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	17.9	851.6	851.5
5788	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	17.3	799.6	799.35
5827	>90%	4.6 × 250 nm	5-65% acetonitrile/water/0.1%TFA	1ml/min	22.0	827.8	827.4