

## SUPPLEMENTARY MATERIAL

Table S1. DNA *in vitro* selection against D-SEB-peptide. After incubation of the D-peptide derivatized NeutrAvidin agarose with the indicated DNA amounts the matrix was washed with several column volumes of selection buffer until the final washing volume contained less than 0.5 % of the initially added DNA amount.

<b>round</b>	<b>DNA [<math>\mu</math>M]</b>	<b>D-peptide conc. [<math>\mu</math>M]</b>	<b>reaction vol. [<math>\mu</math>l]</b>	<b>DNA bound on column after final washing [%]</b>
1	5.9	11.8	85	1.0
2	1.4	2.8	360	0.2
3	1.4	2.8	180	1.2
4	1.4	2.8	180	0.9
5	1.4	2.8	180	3.2
6	1.4	2.8	143	4.0
7	0.35	0.7	572	0.8
8	0.35	0.7	572	1.1
9	0.35	0.7	572	1.6
10	0.35	0.7	429	4.8
11	0.35	0.7	286	4.7
12	0.35	0.7	286	9.3