Supplementary information

Progress of the selection rounds 4 – 9 with the full-length library using a protocol for

automated in vitro selection.

The first three selection rounds were carried out manually with the full-length library

at target concentrations of 1 µM D-ghrelin (data not shown). The target concentration

was kept constant in the subsequent automated rounds (4 and 5) for all three parallel

selection strands while the wash volume (wv) was varied; in automated rounds 6-9,

the wash volumes were kept constant whereas the target concentrations were ad-

justed to 900, 300, 100, 33, and 11 nM. The progress of enrichment was determined

by quantifying the amount of PCR product using a dsDNA sensitive fluorescent dye.

The ratio of fluorescence intensity with / without DNA polymerase is listed under in

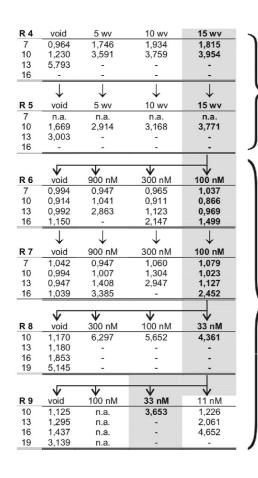
the respective columns and compared to the void value. The number of PCR cycles

are indicated in the first column of the table. The shaded columns indicate the selec-

tion conditions that were followed on.

n.a.: not analyzed

1



wash volume (wv) varied [D-Ghrelin] 1 μM

15 wash volume [D-Ghrelin] varied