

Table S1. SPR-Determined Kinetic Parameters for the Interaction of the VLDLR(1-8) Fragment with the (β 15-66)₂ Fragment and its Mutants.

β N-fragment/mutants	k_{ass} (M ⁻¹ s ⁻¹)	k_{diss} (s ⁻¹)	K_d (M)
(β 15-66) ₂ fragment	1.38 x 10 ⁶	4.28 x 10 ⁻³	3.1 x 10 ⁻⁹
<u>Lys-mutants</u>			
(β 15-66) ₂ -K ²¹ K ²²	2.68 x 10 ⁵	9.90 x 10 ⁻³	3.7 x 10 ⁻⁸
(β 15-66) ₂ -K ⁴⁷	2.16 x 10 ⁶	1.50 x 10 ⁻²	7.0 x 10 ⁻⁹
(β 15-66) ₂ -K ⁵³ K ⁵⁴ K ⁵⁸	2.80 x 10 ⁵	7.00 x 10 ⁻²	2.5 x 10 ⁻⁷
<u>Arg-mutants</u>			
(β 15-66) ₂ -R ¹⁷	2.41 x 10 ⁶	1.33 x 10 ⁻²	5.5 x 10 ⁻⁹
(β 15-66) ₂ -R ²³	3.19 x 10 ⁶	2.00 x 10 ⁻²	6.3 x 10 ⁻⁹
(β 15-66) ₂ -R ³⁰	1.63 x 10 ⁶	1.21 x 10 ⁻²	7.4 x 10 ⁻⁹
(β 15-66) ₂ -R ⁴² R ⁴⁴	1.12 x 10 ⁵	2.28 x 10 ⁻²	2.0 x 10 ⁻⁷
(β 15-66) ₂ -R ⁵⁷	1.58 x 10 ⁶	5.70 x 10 ⁻³	3.6 x 10 ⁻⁹
<u>Arg-Lys-mutants</u>			
(β 15-66) ₂ -K ²¹ K ²² R ²³	1.73 x 10 ⁶	2.77 x 10 ⁻¹	1.6 x 10 ⁻⁷
(β 15-66) ₂ -R ⁴² R ⁴⁴ K ⁴⁷	8.62 x 10 ⁴	5.24 x 10 ⁻¹	6.1 x 10 ⁻⁶
(β 15-66) ₂ -K ⁵³ K ⁵⁴ R ⁵⁷ K ⁵⁸	2.26 x 10 ⁴	2.62 x 10 ⁻¹	1.2 x 10 ⁻⁵