Statistical Model	**Amplitude**	**Mean (nS)**	**STDV (nS)**	R^2
1. Single Gaussian complete range	73.70 ± 8.20	2.34 ± 0.06 (S1)	0.57 ± 0.1	0.76
2. Single Gaussian on S1 population	79.69 ± 3.21	2.53 ± 0.02 (S1)	0.32 ± 0.06	0.97
3. Single Gaussian on S2 population	79.11 ± 9.23	2.03 ± 0.03 (S2)	0.25 ± 0.05	0.88
4. Sum of two Gaussians complete range	70.42 ± 9.35 (S1) 63.98 ± 10.77 (S2)	**2.61 ± 0.04(S1)** **1.90 ± 0.06 (S2)**	0.27 ± 0.08 (S1) 0.26 ± 0.08 (S2)	0.91
5. Sum of two Gaussians on S2 population	80.49 ± 5.00 (S2A) 39.06 ± 7.94 (S2B)	2.03 ± 0.01 (S2A) 1.48 ± 0.02 (S2B)	0.19 ± 0.02 (S2A) 0.08 ± 0.02 (S2B)	0.98

T-test between S1 means from 1 (n = 680) & 2 (n = 386): Different (P = 0.0193)
T-test between S1 means from 1 (n = 680) & 4 (n =680): Different (P = 0.0002)
T-test between S1 means from 2 (n = 386) & 4 (n =680): Similar (P = 0.1475)
T-test between S2 means from 3 (n = 294) & 4 (n =680): Similar (P = 0.1642)
T-test between S2 means from 3 (n = 294) & 5 (n =294): Same (P = 1.0000)
T-test between S2 means from 4 (n = 680) & 5 (n =294): Similar (P = 0.1558)
T-test between S1 mean from 4 (n = 386) & S2 from 4 (n = 294) : Different ($P \leq 10^{-4}$)
T-test between S2A mean from 5 (n = 224) & S2B from 5 (n = 70) : Different ($P \leq 10^{-4}$)