

Table S1. Chi-squared values of the fits of wild type and mutated EGFP-RAR autocorrelation curves with different diffusion models

	AM580	one-component free	anomalous	two-component free
EGFP	-	41.9	37.2	21.3
EGFP-RAR	-	103.1	33.3	25.9
	+	80.2	35.4	25.7
EGFP-RAR-AR	-	91.3	33.7	24.2
	+	87.9	32.7	23.5
EGFP-RAR-VA	-	79.5	33.7	26.6
	+	76.7	30.6	26.1
EGFP-RAR-WA	-	89.0	59.0	21.4
	+	92.9	65.0	20.7
EGFP-RAR-dH12	-	77.4	26.1	20.4
	+	78.3	27.0	23.0
EGFP-RAR-LBD	-	65.5	35.9	21.8
	+	70.9	33.0	23.7
EGFP-RAR-mZN	-	68.0	28.9	24.9
	+	69.9	30.4	25.1