

Table S1. Hits on sphere only

Gene Name	Clone Number	Screen Results(%Relative to GFP)	
		Sphere	Monolayer
CDk5	1	12.5	40.2
Camk2d	2	8.75	58.6
		15.2	52.1
		9.09	40.3
Bub1	1	18.8	44.7
Bmpr1b	1	11.7	52.9
Lrrk2	1	11.7	63.4
Lats2	3	23.5	66.8
		11.7	50.9
		8.35	139.8
Grk4	1	000	136.1
Rps61kb	1	000	168.1
Dmpk	1	20.4	63.2
Prpf4b	2	26.4	48.8
		11.7	44.1
Tbk1	2	11.7	38.7
		000	87.2
Rnase1	2	12.5	67.3