

Supplementary Table 1
NanoBiT analyses

Relative luminescence units for $G\alpha$ - $G\beta\gamma$ pairings used in

$G\alpha$	$\beta 1$ mean \pm SEM	$\beta 2$ mean \pm SEM	$\beta 3$ mean \pm SEM	$\beta 4$ mean \pm SEM	$\beta 5$ mean \pm SEM
	1429843 \pm 9681	1538596.13 \pm 20637	1517952.5 \pm 14689	1477760 \pm 102008	14368.75 \pm 3279
i1	13961.81 \pm 1900	343928.69 \pm 81589	436015.69 \pm 65129	66027.94 \pm 20803	3243.5 \pm 533
i2	29376.88 \pm 4080	439990.38 \pm 10326	486706.38 \pm 76539	31343.25 \pm 19999	<1000
i3	255533.19 \pm 6709	1467052.88 \pm 21648	1640812.5 \pm 95518	1579270.79 \pm 143680	<1000
o	80423.88 \pm 1977	224591.42 \pm 77462	107235.75 \pm 17669	78888.81 \pm 13498	1769.38 \pm 151
s	3465 \pm 649	149008.88 \pm 57452	205348.08 \pm 15159	105112.33 \pm 45407	<1000
z	12416 \pm 1846	95445.25 \pm 17662	22129.44 \pm 4918	34965.75 \pm 8176	<1000
q	1624 \pm 163	207794.61 \pm 86590	65921.75 \pm 8932	21793.71 \pm 1510	<1000
11	1734.06 \pm 72.47	164404.25 \pm 79632	73417.06 \pm 3417	13272.8 \pm 4091	<1000
12	1360.38 \pm 67.33	146960.06 \pm 69571	149904.63 \pm 13198	63529.92 \pm 11665	<1000
13	4260.06 \pm 1523	255160.71 \pm 108754	179421 \pm 20788	126477.06 \pm 37195	<1000
14	1423.44 \pm 141	349389.14 \pm 13756	151675.5 \pm 11980	43598.13 \pm 11545	2224 \pm 499
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Expression of LgBiT- $G\alpha$ with empty SmBiT and LgBiT empty with SmBiT- $G\beta$ had <1000 relative luminescence units.