

Supporting Table 1. Performance summary of qHTS assays.

qHTS Assay	Cell Line	Z'	Intraplate Control	AC ₅₀ [μM]
grp78-luciferase primary	U87-MG	0.41 ± 0.21	Thapsigargin	0.051 ± 0.042
grp78-luciferase secondary	U87-MG	0.36 ± 0.19	Thapsigargin Tunicamycin	0.066 ± 0.13 0.014 ± 0.006
UPRE-luciferase	TSCER2	0.68 ± 0.06	Thapsigargin Tunicamycin 17-AAG	NA 0.41 ± 0.007 7.75 ± 0.38
Caspase 3/7	U87-MG	0.78 ± 0.21	Thapsigargin	0.051 ± 0.005
Cell viability	U87-MG	0.48 ± 0.19	Thapsigargin Tunicamycin	0.020 ± 0.022 0.016 ± 0.016
	JHH-136	0.43 ± 0.15	Thapsigargin Tunicamycin	0.002 0.004 ± 0.0017
	JHH-520	0.51 ± 0.08	Thapsigargin Tunicamycin	0.00025 ± 0.000173 0.0041 ± 0.001
3D Cell viability	U87-MG	0.66 ± 0.09	Thapsigargin Tunicamycin	< 10 < 1.6
	JHH-136	0.32 ± 0.03	Thapsigargin Tunicamycin	< 10 < 1.6
	JHH-520	0.61 ± 0.12	Thapsigargin Tunicamycin	< 10 < 1.6
Calcium mobilization	U87-MG	0.70 ± 0.15	A23187	NA
Matrix	JHH-136	0.64 ± 0.13	Thapsigargin	0.03 ± 0.02
	JHH-520	0.79 ± 0.05	Thapsigargin	0.0041 ± 0.004