

Supplementary Table 3. Calculated Z'Values Across Replicate Plates For Each Measurement

Z'-Nuclear Translocation (FLIN)										
<i>Plate</i>	<i>Row 1</i>	<i>Row 2</i>	<i>Row 3</i>	<i>Row 4</i>	<i>Row 5</i>	<i>Row 6</i>	<i>Row 7</i>	<i>Row 8</i>	<i>Combined</i>	<i>Z' All</i>
1	0.74	0.74	0.73	0.75	0.75	0.73	0.75	0.74	0.75	
2	0.76	0.75	0.73	0.74	0.71	0.75	0.73	0.75	0.69	0.72
3	0.63	0.63	0.57	0.63	0.58	0.61	0.59	0.60	0.75	

Z'-Nuclear Hyperspeckling (NVAR)										
<i>Plate</i>	<i>Row 1</i>	<i>Row 2</i>	<i>Row 3</i>	<i>Row 4</i>	<i>Row 5</i>	<i>Row 6</i>	<i>Row 7</i>	<i>Row 8</i>	<i>Combined</i>	<i>Z' All</i>
1	0.82	0.81	0.83	0.84	0.81	0.82	0.84	0.85	0.85	
2	0.78	0.77	0.79	0.78	0.78	0.79	0.77	0.80	0.79	0.85
3	0.91	0.86	0.84	0.85	0.72	0.77	0.83	0.88	0.87	

Z'-AR Transcriptional Activity (CORR2)										
<i>Plate</i>	<i>Row 1</i>	<i>Row 2</i>	<i>Row 3</i>	<i>Row 4</i>	<i>Row 5</i>	<i>Row 6</i>	<i>Row 7</i>	<i>Row 8</i>	<i>Combined</i>	<i>Z' All</i>
1	0.46	0.54	0.55	0.52	0.48	0.52	0.50	0.55	0.74	
2	0.74	0.70	0.69	0.73	0.74	0.72	0.73	0.71	0.73	0.74
3	0.68	0.65	0.59	0.67	0.68	0.70	0.70	0.61	0.70	

To determine overall assay quality, Z' values were calculated from three replicate plates containing a R1881 titration on each row. For each row, wells with the minimal (untreated) and maximal response were determined and used to determine the Z' value for the row. To generate a "Combined" Z' value, all data points used to calculate the "Row" Z' values were combined. To generate the "All" Z' values, all data points from the three plates were combined.