Advanced Kinetics

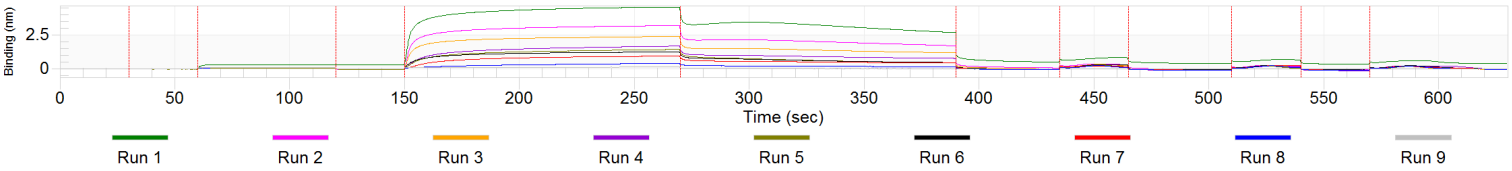
Experiment: CHIP-TPR-G132N biotin-pTHsp70 with Regeneration
Description: CHIP-TPR-G132N with biotin-GSGSGPpTIEEVD with 500mM Phosphoric Acid regeneration
Date: Thursday, October 16, 2014
Time: 4:44:52 PM

BLItz Pro version: 1.1.0.31
Instrument Serial #: FB-60285
Firmware: 1.1.0.7

Run Settings

	Step Type	Duration (s)	Position
1	Initial Baseline	30	Tube
2	Baseline	30	Tube
3	Loading	60	Drop
4	Baseline	30	Tube
5	Association	120	Drop
6	Dissociation	120	Tube
7	Custom	45	Tube
8	Custom	30	Tube
9	Custom	45	Tube
10	Custom	30	Tube
11	Custom	30	Tube
12	Custom	60	Tube

Run Data

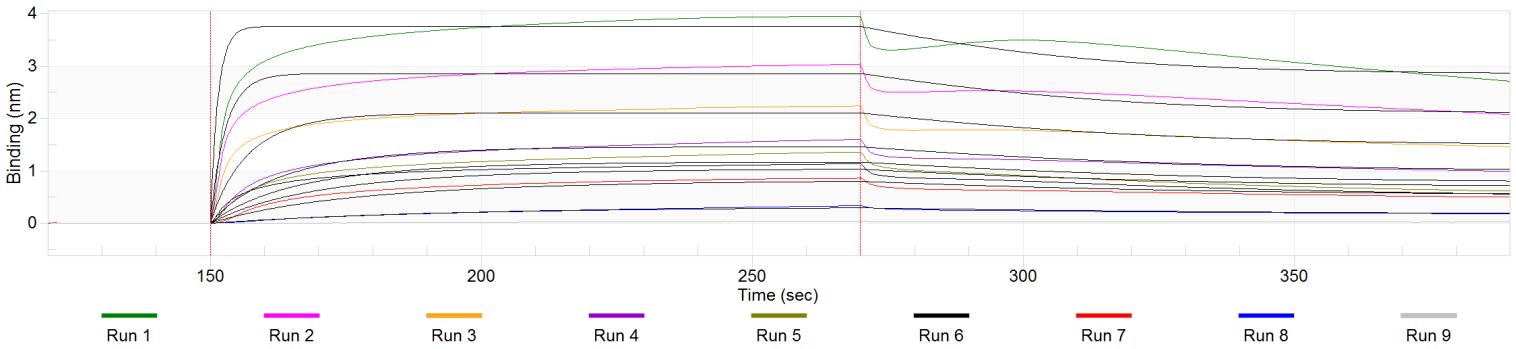


Run List

Index	Show	Analyze	Ref.	Sample ID	Conc. (µM)	Run time (s)	Shaker speed (rpm)	Integration (ms)	Biosensor Type	Information	Status
1	1	1	0	pTHsp70 peptide loading	100	630	2200	1.7	SA		
2	1	1	0	50uM TPR(G132N)	50	630	2200	1.7	SA		
3	1	1	0	20uM TPR(G132N)	20	630	2200	1.7	SA		
4	1	1	0	10uM TPR(G132N)	10	630	2200	1.7	SA		
5	1	1	0	8uM TPR(G132N)	8	630	2200	1.7	SA		
6	1	1	0	6uM TPR(G132N)	6	630	2200	1.7	SA		
7	1	1	0	4uM TPR(G132N)	4	630	2200	1.7	SA		
8	1	1	0	2uM TPR(G132N)	2	630	2200	1.7	SA		
9	1	1	0	0uM TPR(G132N)	0	630	2200	1.7	SA		

Analysis Parameters
Global fitting (1:1)
Step correction: Start of association, Start of dissociation

Analysis Data



Index	Sample ID	Conc. (µM)	Information	KD (M)	ka (1/Ms)	ka Error	kd (1/s)	kd Error	Rmax	Rmax Error	R equilibrium
1	pTHsp70 peptide loading	100		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	3.785	0.02972	3.759
2	50uM TPR(G132N)	50		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	2.906	0.03101	2.865
3	20uM TPR(G132N)	20		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	2.204	0.03933	2.129
4	10uM TPR(G132N)	10		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	1.62	0.05474	1.513
5	8uM TPR(G132N)	8		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	1.33	0.05553	1.223
6	6uM TPR(G132N)	6		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	1.252	0.07151	1.121
7	4uM TPR(G132N)	4		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	1.115	0.09657	0.9484
8	2uM TPR(G132N)	2		7.042e-7	7.317e3	4.88e2	5.153e-3	5.499e-4	0.5152	0.07300	0.3811
9	0uM TPR(G132N)	0									