

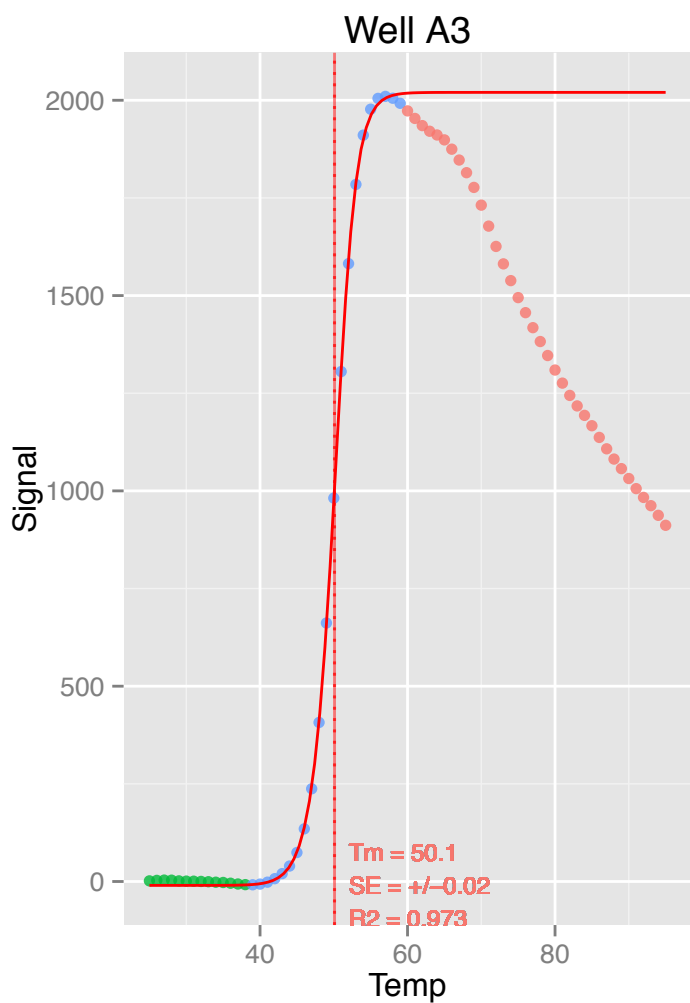
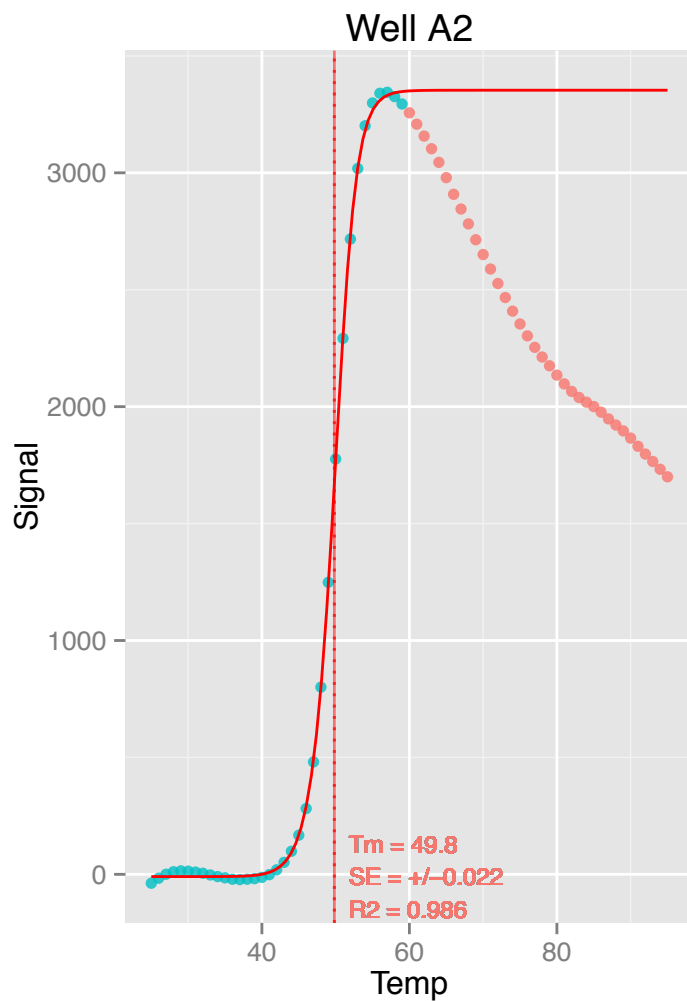
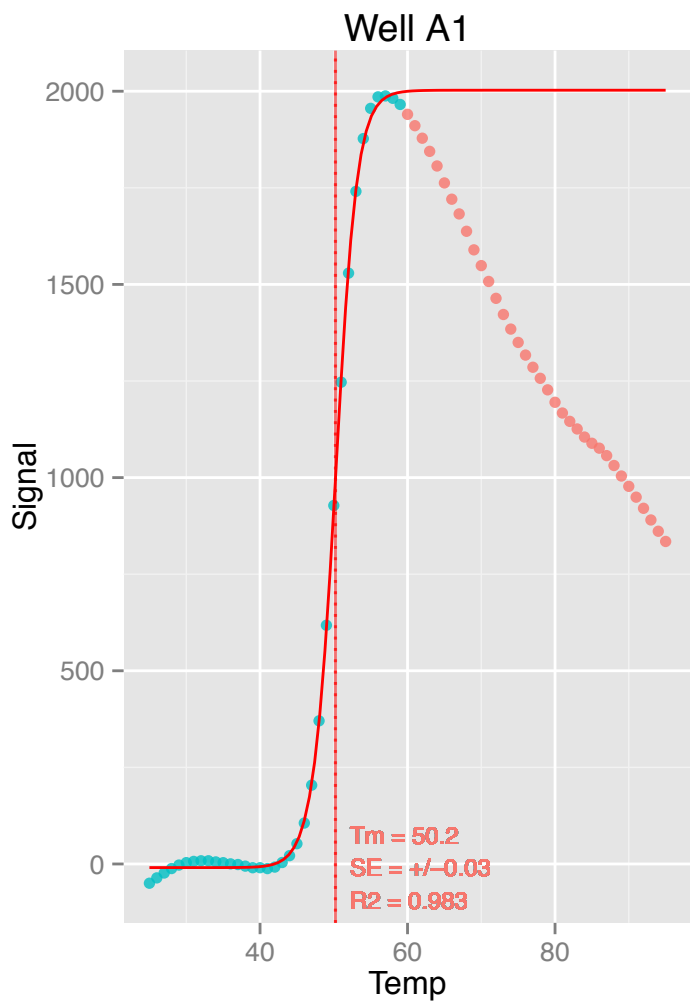
Tumbale *et al.*, "**Mechanism of APTX Nicked DNA Sensing and Pleiotropic Inactivation in Neurodegenerative Disease**"

Expanded View Dataset EV1:

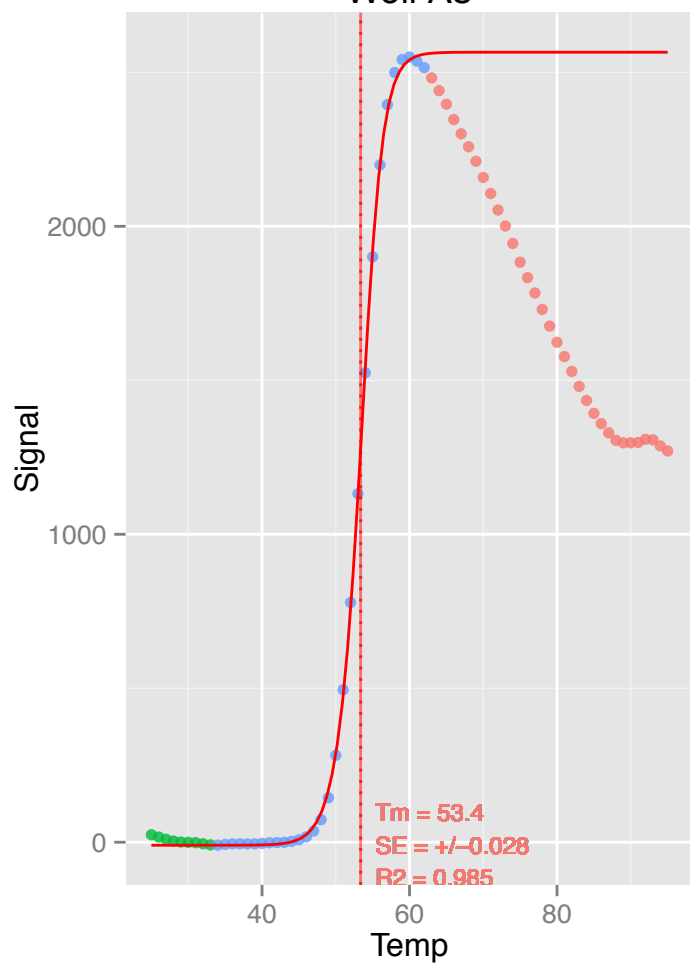
Thermal Shift Assay Data linked to Figure 3C

Well position	Protein sample	Conditions	Calculated Tm (°C)	Average Tm (°C)	SD	Delta Tm (°C)
A1	WT	DMSO	50.23	50.05	0.2	3.31
A2	WT	DMSO	49.83			
A3	WT	DMSO	50.1			
A4	WT	AMP	53	53.36	0.36	
A5	WT	AMP	53.37			
A6	WT	AMP	53.71			
A7	D185E	DMSO	unstable			-
A8	D185E	DMSO	unstable			
A9	D185E	DMSO	unstable			
A10	D185E	AMP	40.04	39.47	0.6	
A11	D185E	AMP	39.52			
A12	D185E	AMP	38.84			
B1	K197Q	DMSO	47.66	47.34	0.43	0.57
B2	K197Q	DMSO	47.51			
B3	K197Q	DMSO	46.86			
B4	K197Q	AMP	48.57	47.91	0.6	
B5	K197Q	AMP	47.41			
B6	K197Q	AMP	47.75			
B7	R199H	DMSO	43.19	43.22	0.09	5.57
B8	R199H	DMSO	43.32			
B9	R199H	DMSO	43.15			
B10	R199H	AMP	48.79	48.79	0.06	
B11	R199H	AMP	48.73			
B12	R199H	AMP	48.85			
C1	H201Q	DMSO	unstable			-
C2	H201Q	DMSO	unstable			
C3	H201Q	DMSO	unstable			
C4	H201Q	AMP	35.07	35.08	0.18	
C5	H201Q	AMP	34.91			
C6	H201Q	AMP	35.26			
C7	L223P	DMSO	unstable			-
C8	L223P	DMSO	unstable			
C9	L223P	DMSO	unstable			
C10	L223P	AMP	40.09	40.07	0.33	
C11	L223P	AMP	39.74			
C12	L223P	AMP	40.39			
D1	S242N	DMSO	46.51	46.48	0.04	5.19

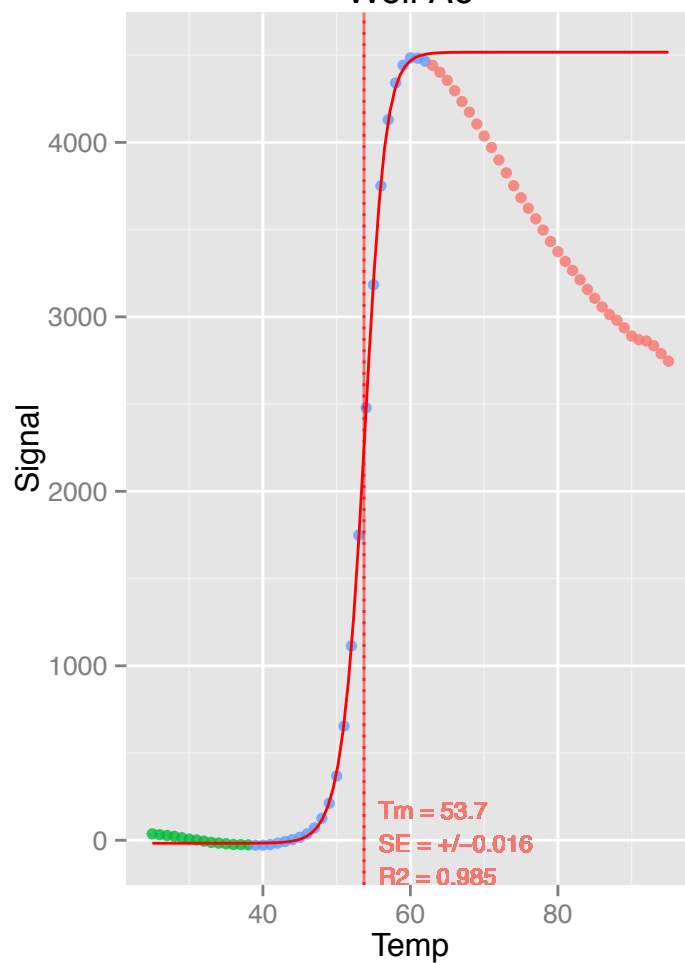
D2	S242N	DMSO	46.43			
D3	S242N	DMSO	46.49			
D4	S242N	AMP	51.52			
D5	S242N	AMP	51.6	51.66	0.18	
D6	S242N	AMP	51.87			
D7	L248M	DMSO	50	49.95	0.06	4.64
D8	L248M	DMSO	49.97			
D9	L248M	DMSO	49.88			
D10	L248M	AMP	54.35	54.59	0.5	
D11	L248M	AMP	54.25			
D12	L248M	AMP	55.17			
E1	D267G	DMSO	34.18	34.49	0.35	3.27
E2	D267G	DMSO	34.87			
E3	D267G	DMSO	34.43			
E4	D267G	AMP	38.12	37.76	0.33	
E5	D267G	AMP	37.48			
E6	D267G	AMP	37.68			
E7	V263G	DMSO	unstable			-
E8	V263G	DMSO	unstable			
E9	V263G	DMSO	unstable			
E10	V263G	AMP	37.11	37.49	0.42	
E11	V263G	AMP	37.43			
E12	V263G	AMP	37.94			
F1	W297R	DMSO	42.6	42.64	0.05	3.28
F2	W297R	DMSO	42.64			
F3	W297R	DMSO	42.69			
F4	W297R	AMP	45.39	45.92	1.05	
F5	W297R	AMP	45.25			
F6	W297R	AMP	47.13			
F7	R306X	DMSO	46.35	46.23	0.11	1.51
F8	R306X	DMSO	46.19			
F9	R306X	DMSO	46.15			
F10	R306X	AMP	47.76	47.74	0.24	
F11	R306X	AMP	47.5			
F12	R306X	AMP	47.97			



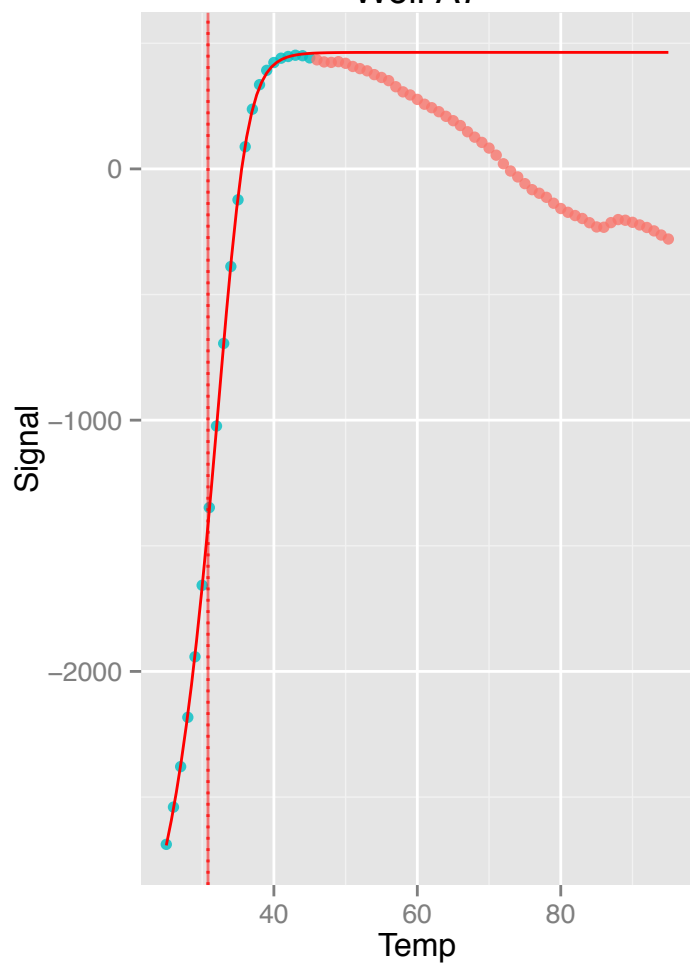
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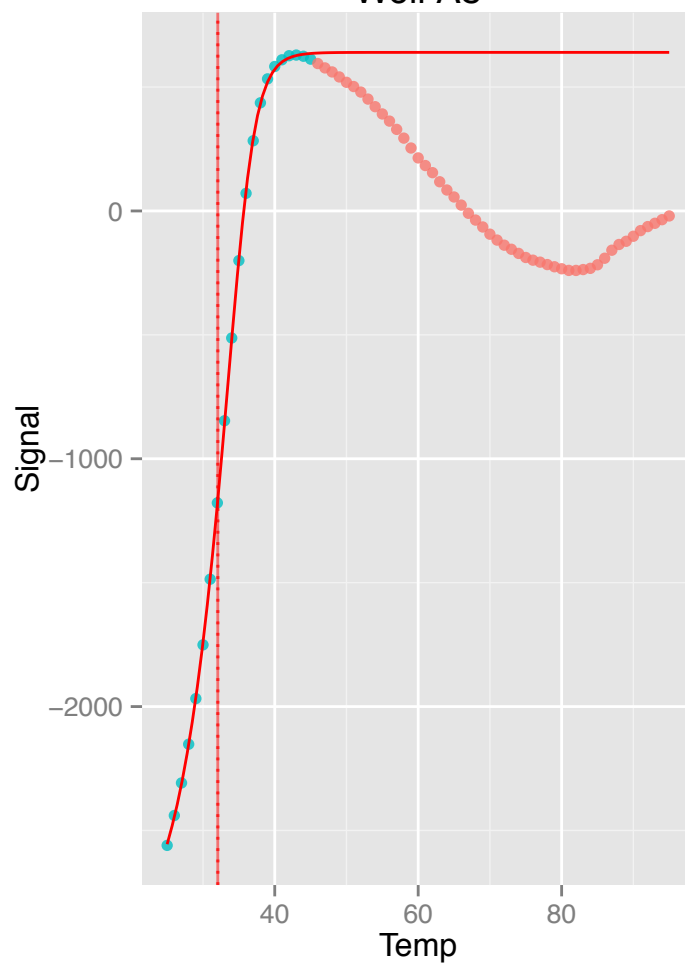
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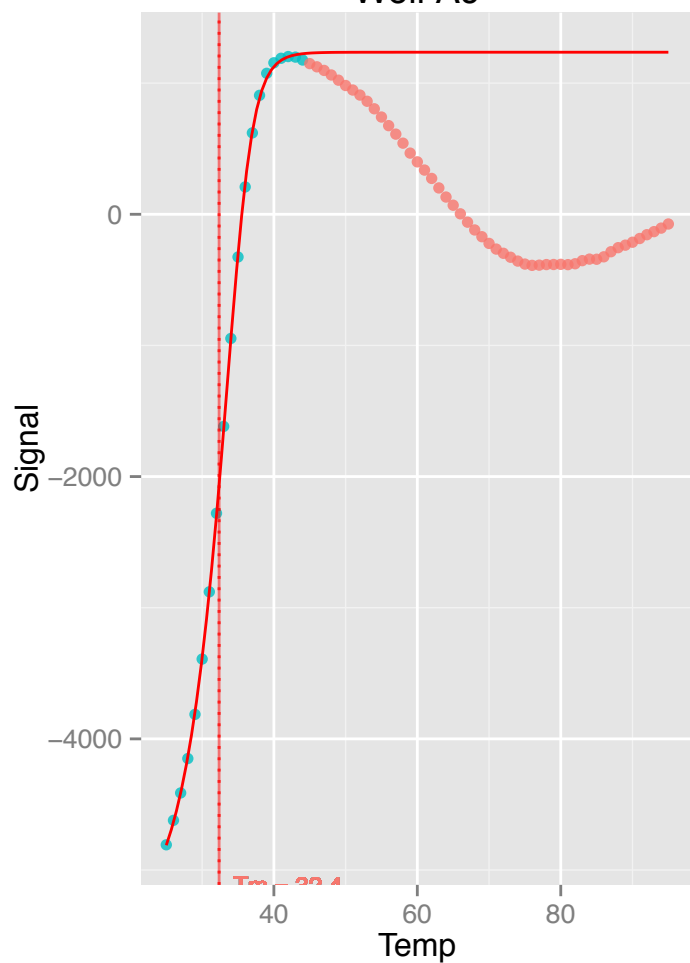
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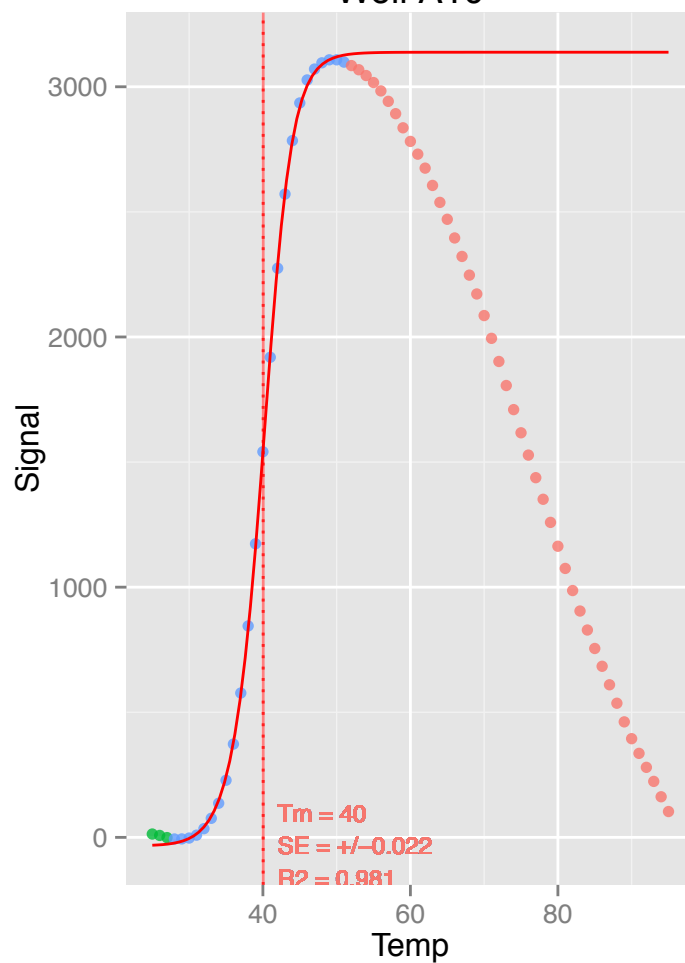
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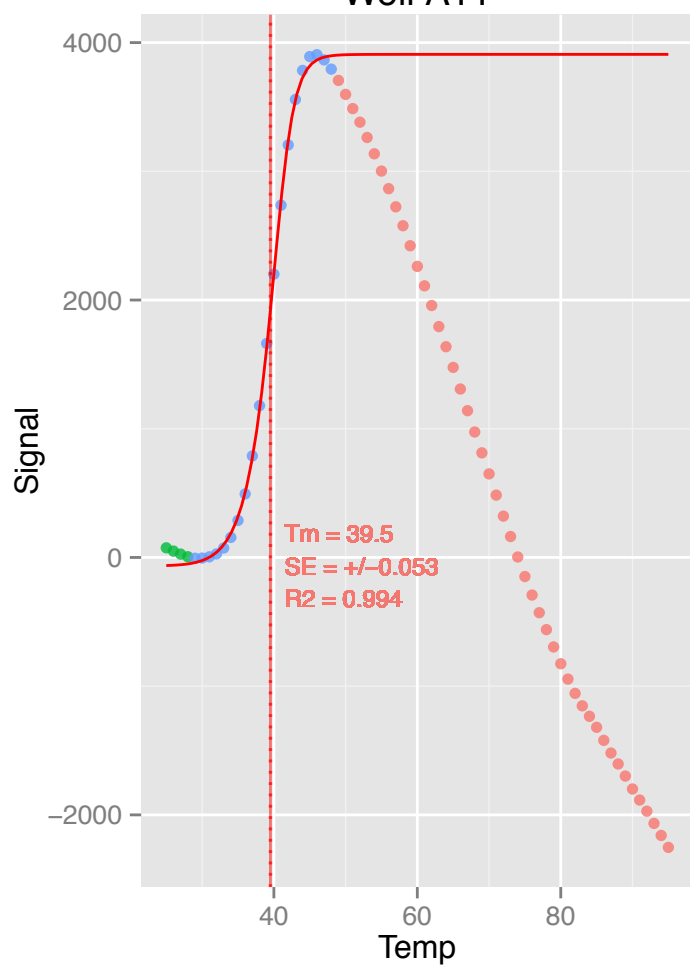
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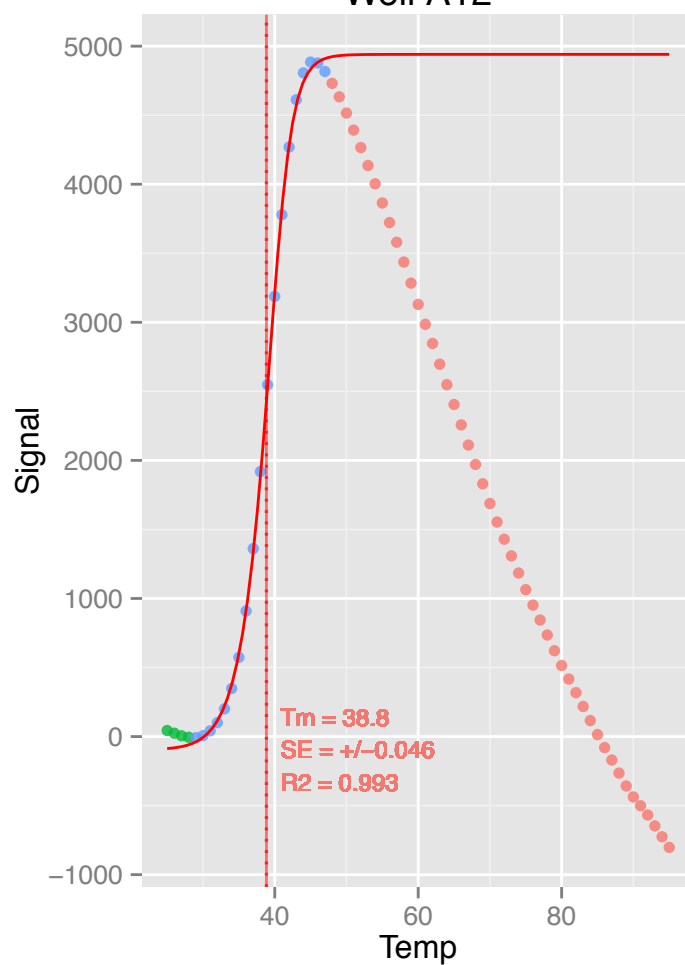
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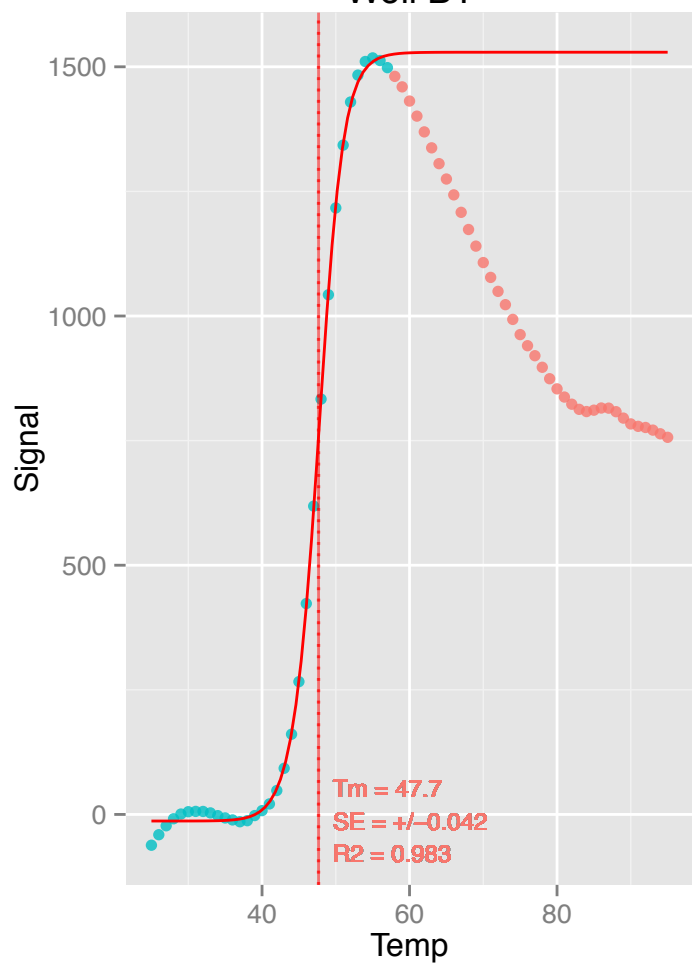
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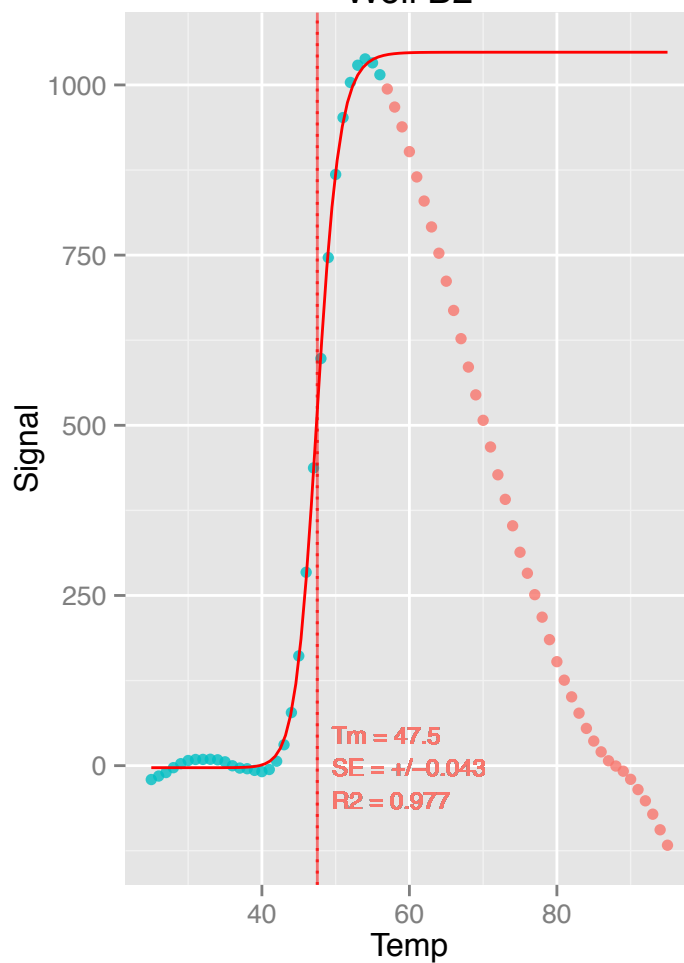
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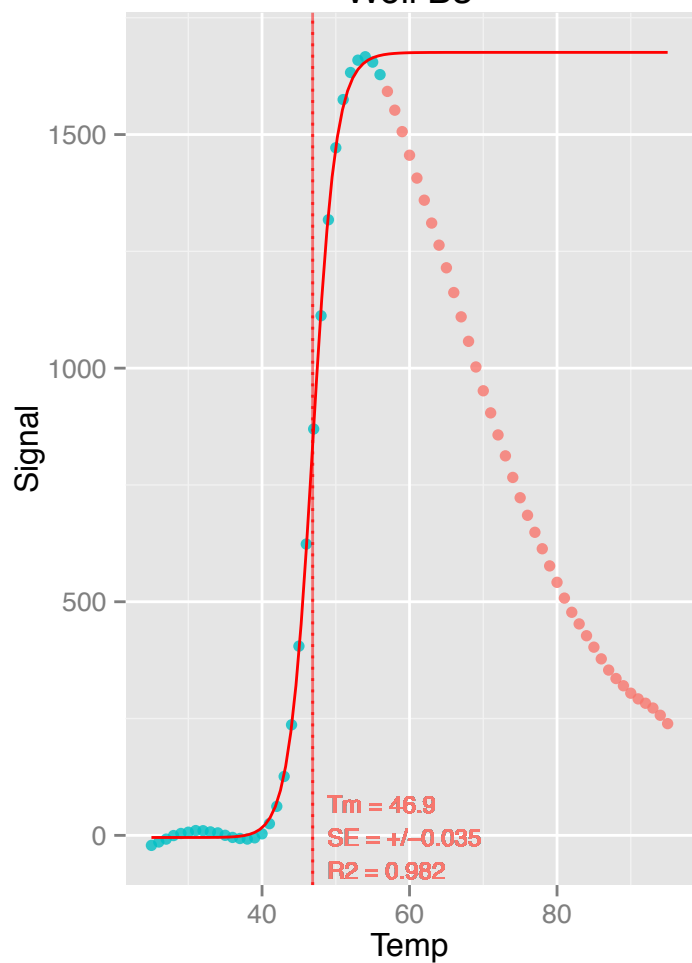
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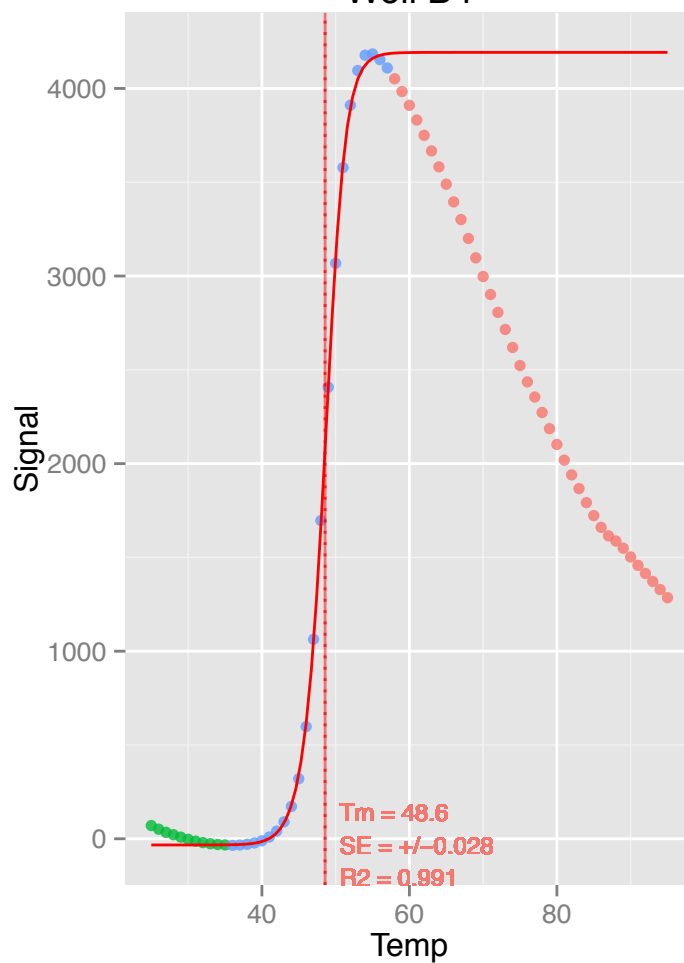
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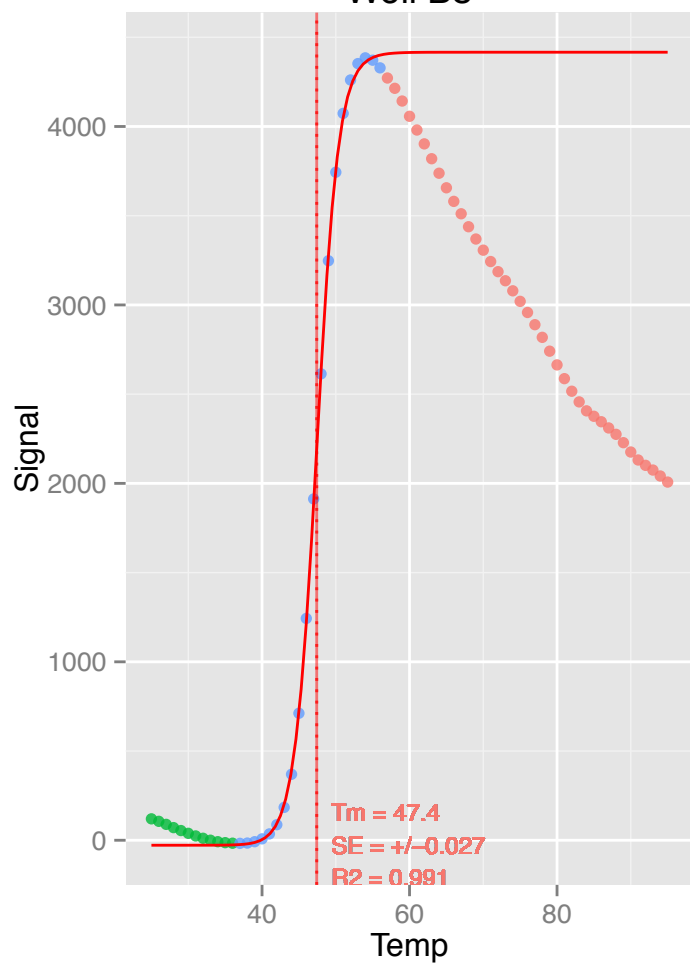
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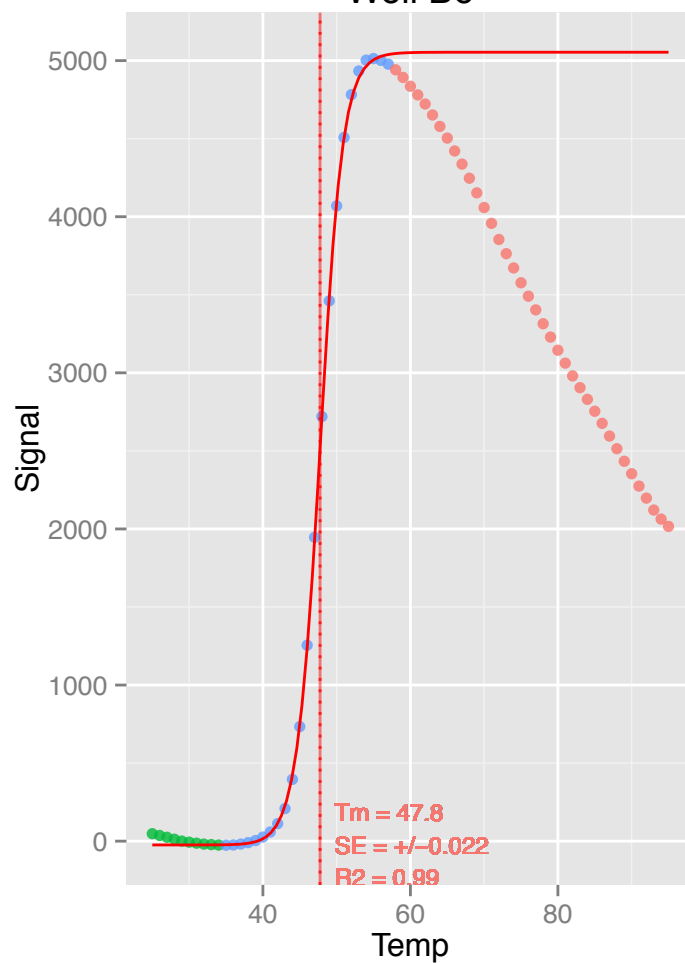
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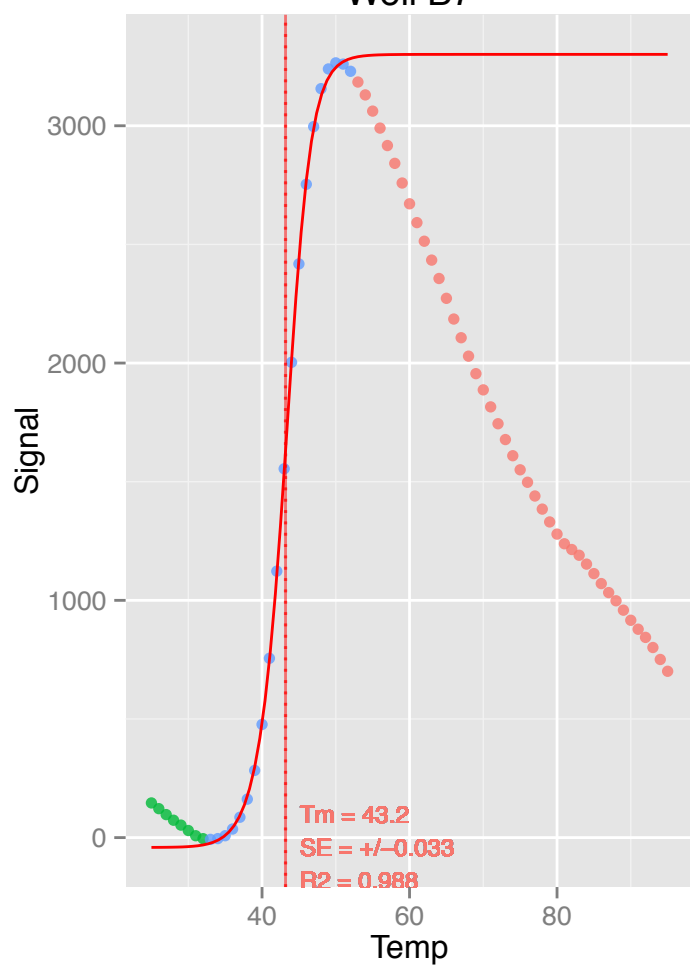
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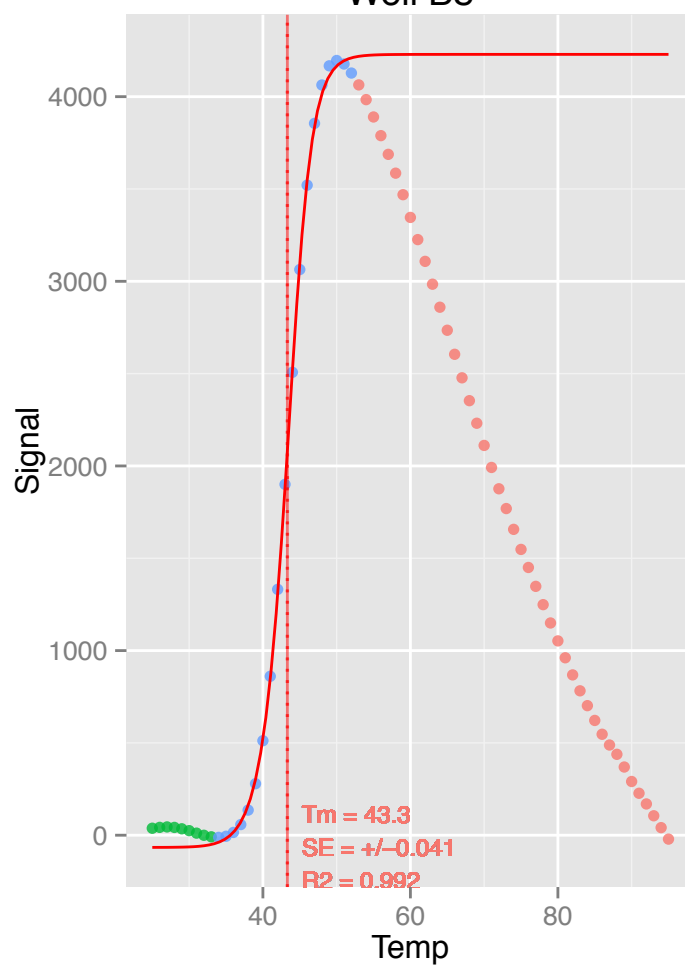
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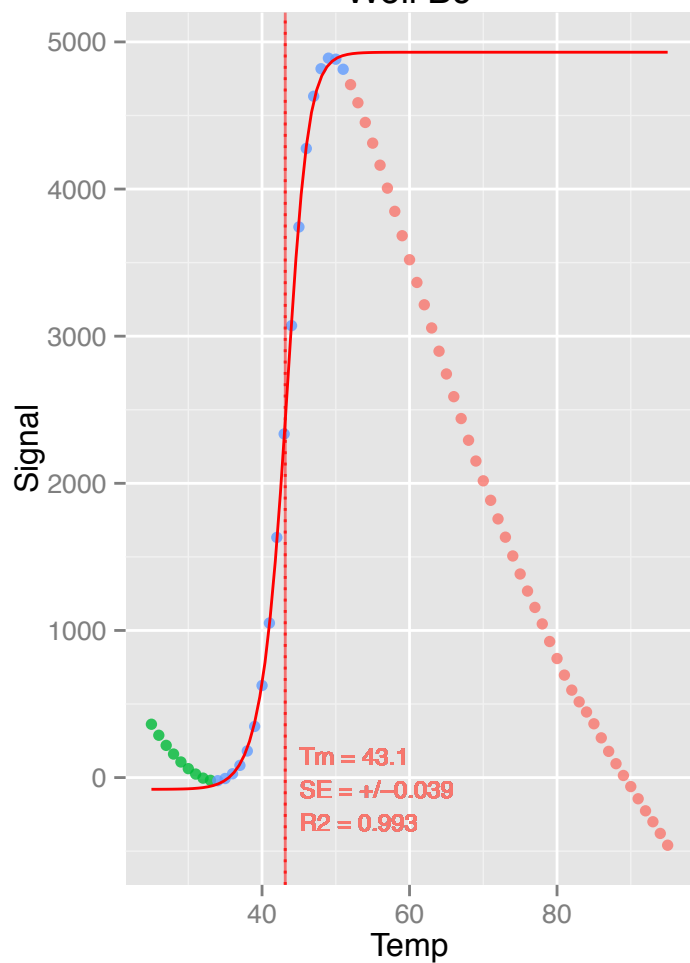
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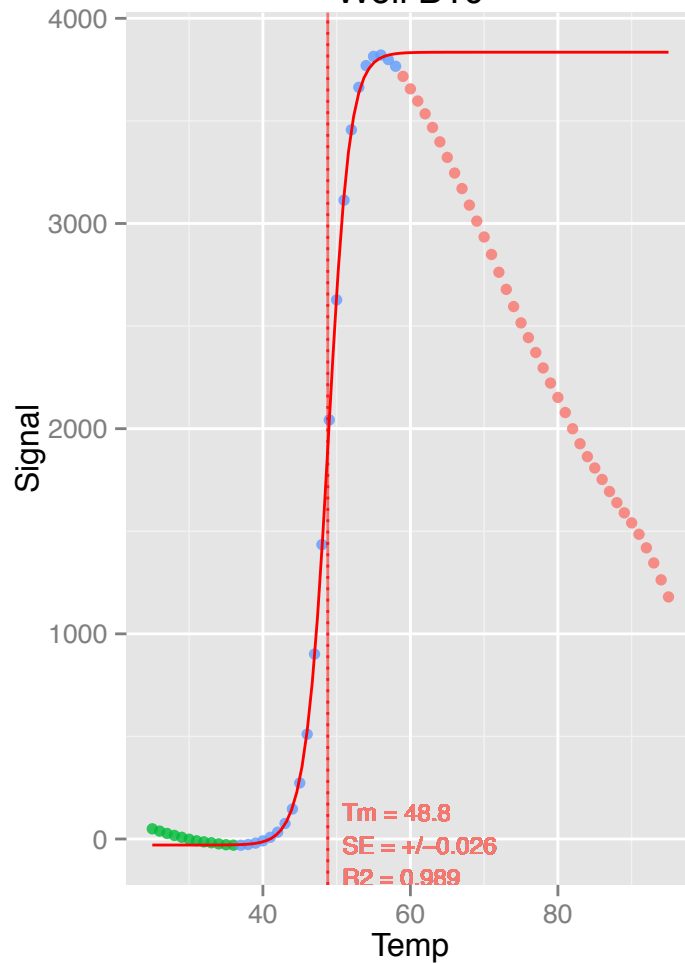
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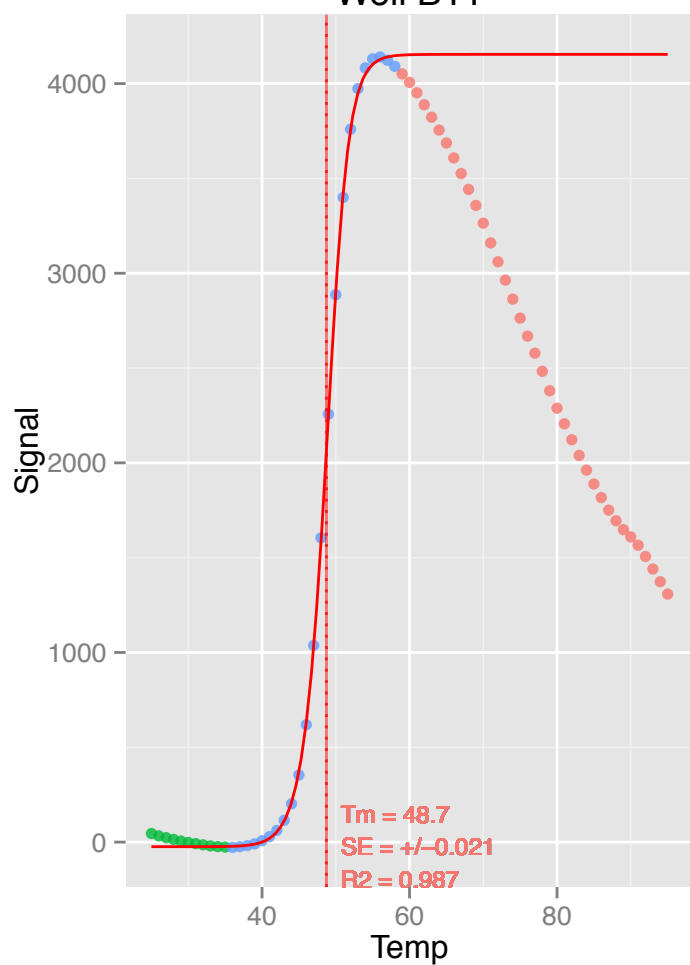
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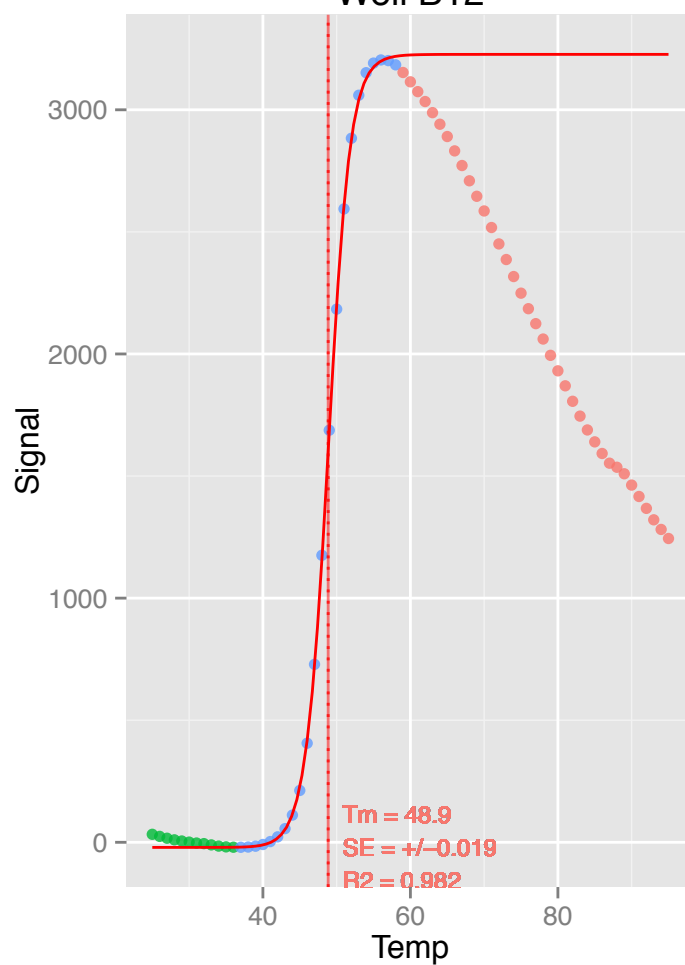
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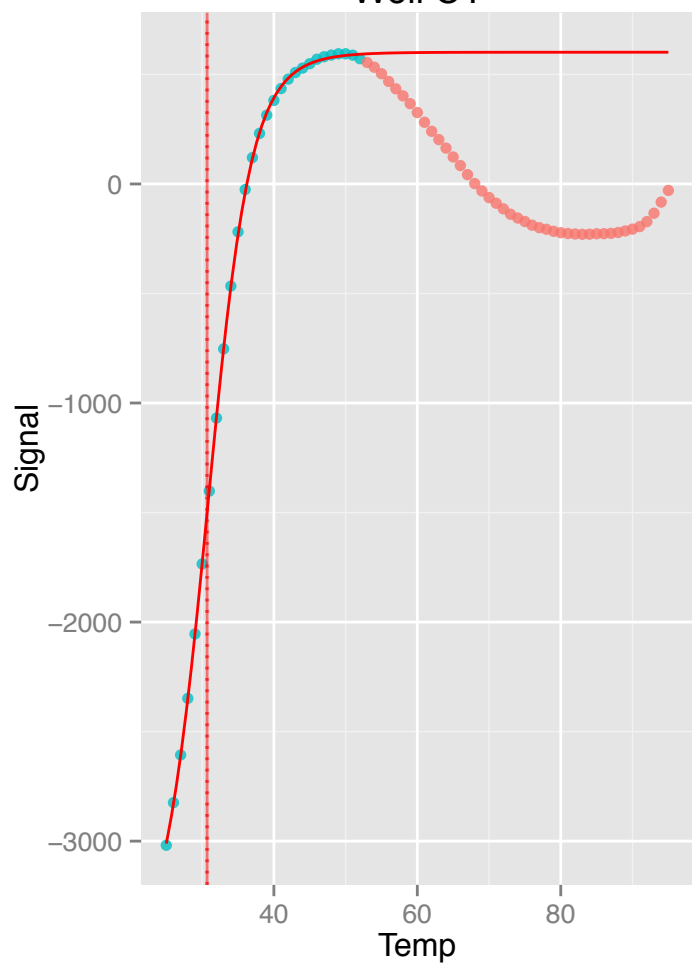
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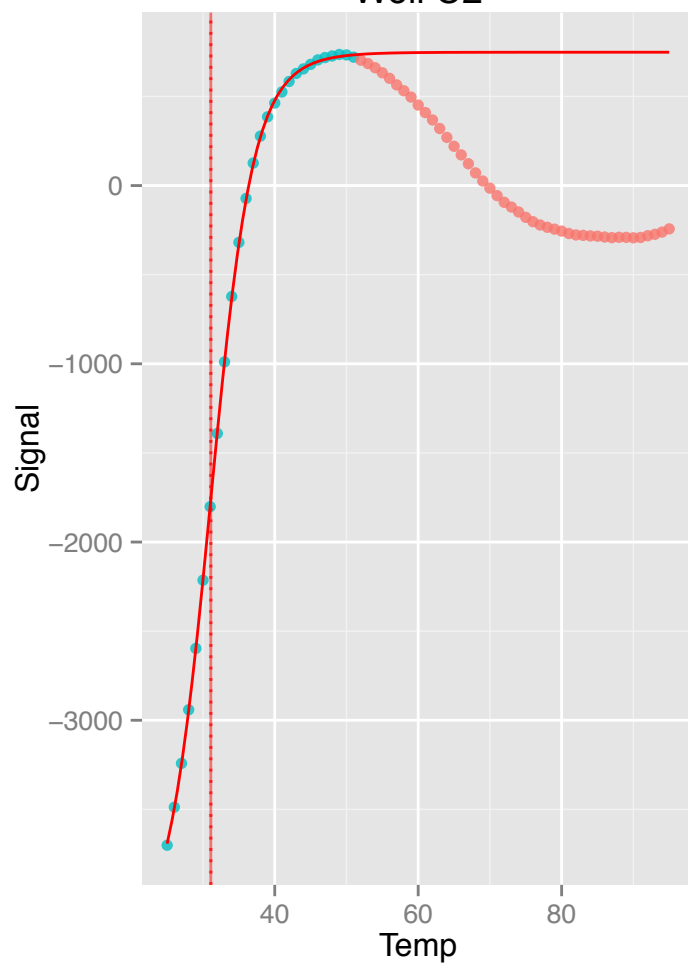
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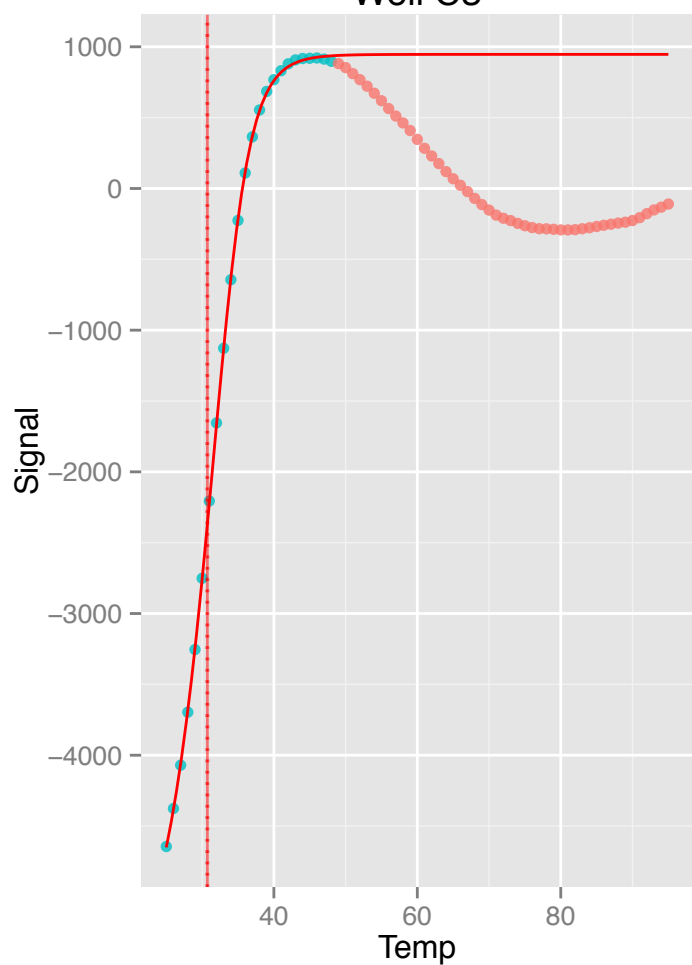
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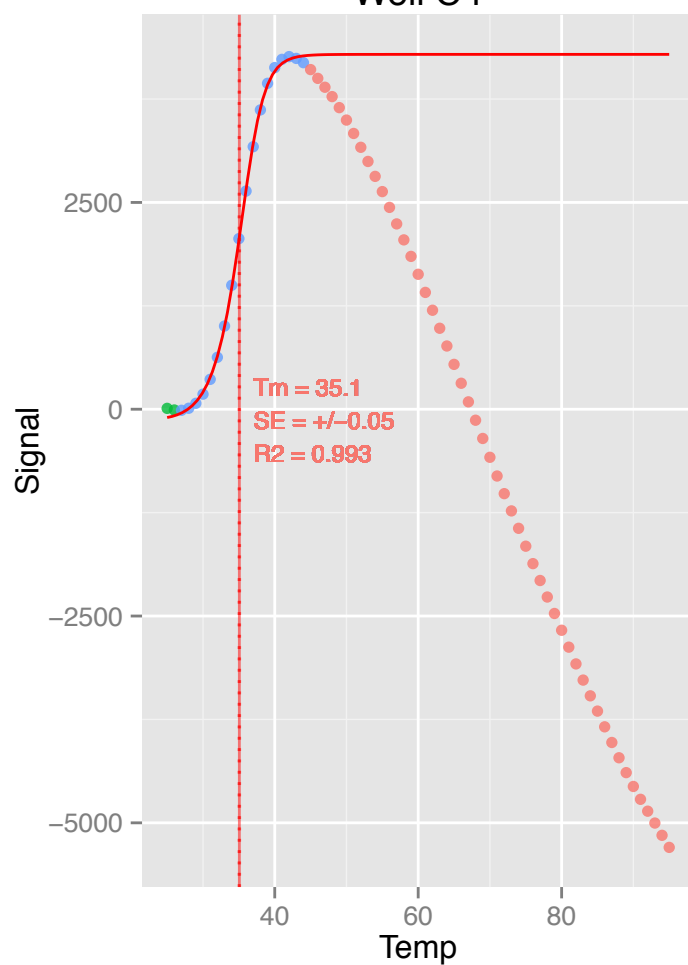
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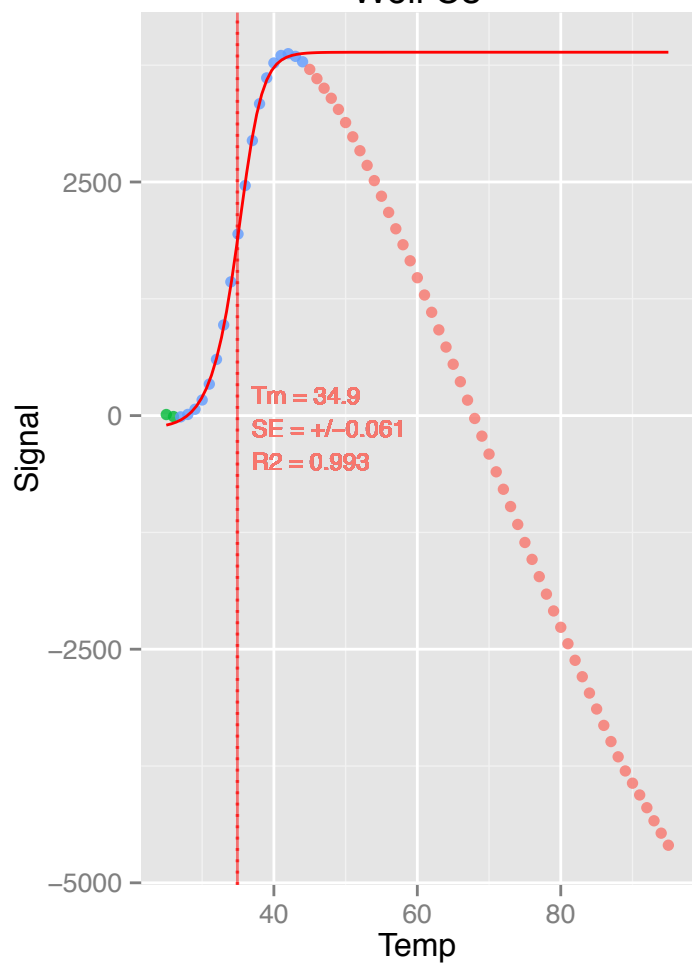
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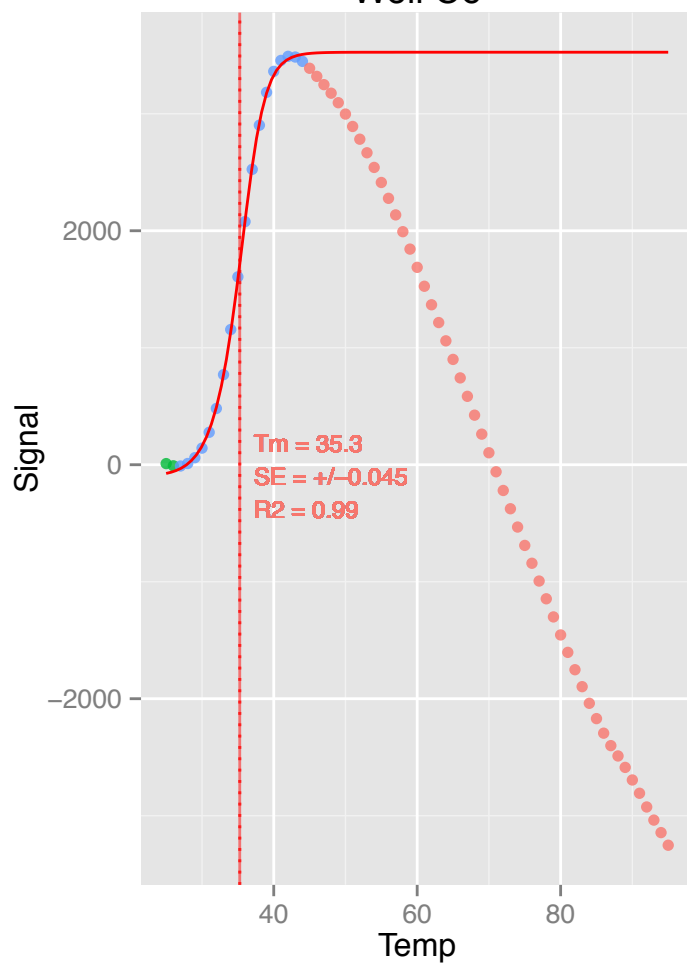
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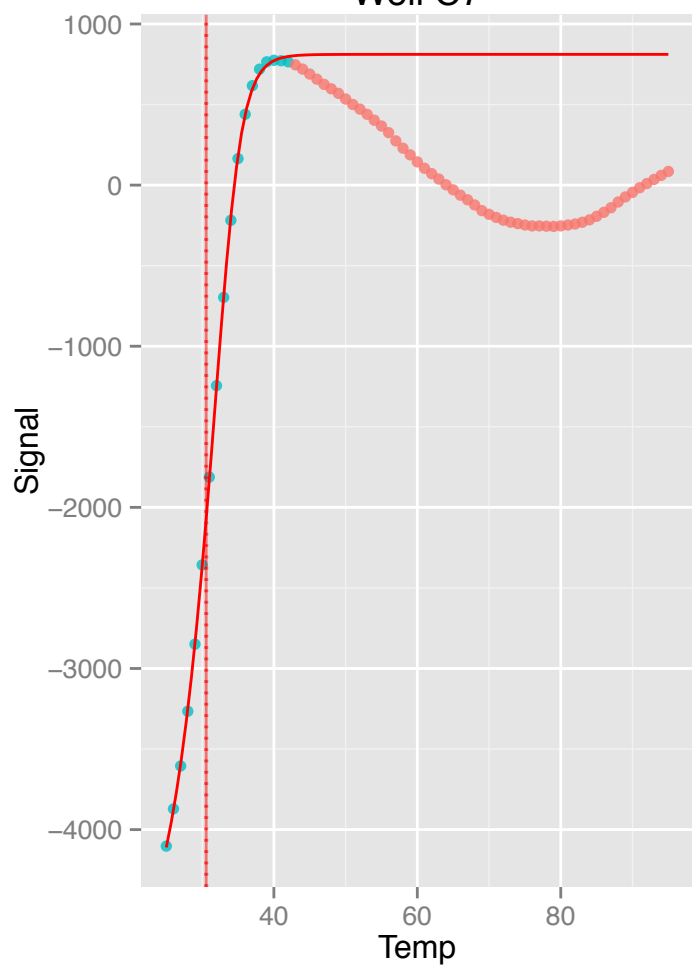
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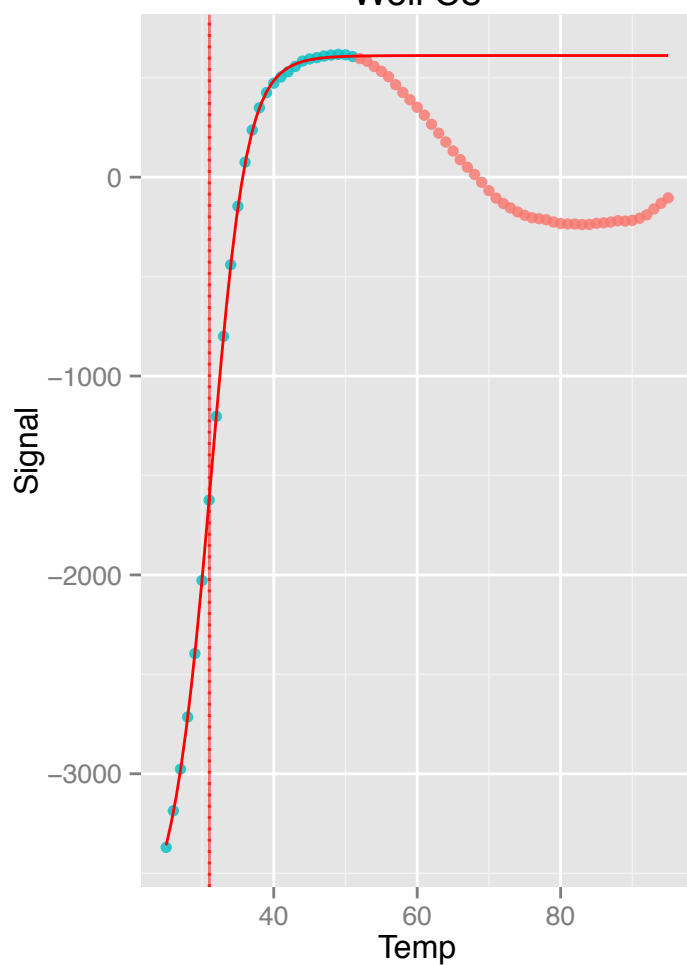
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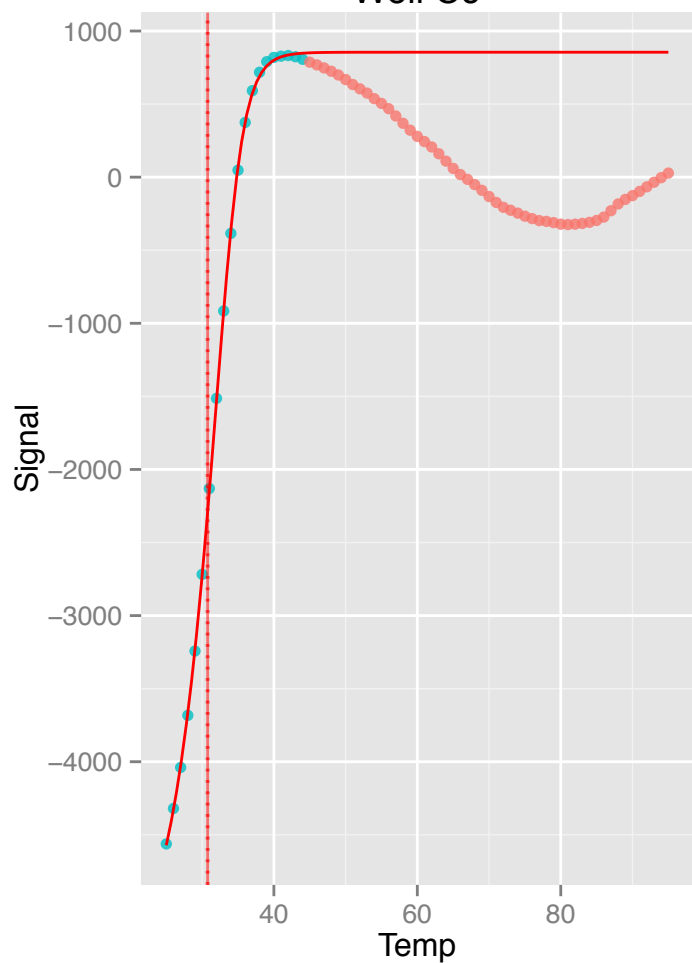
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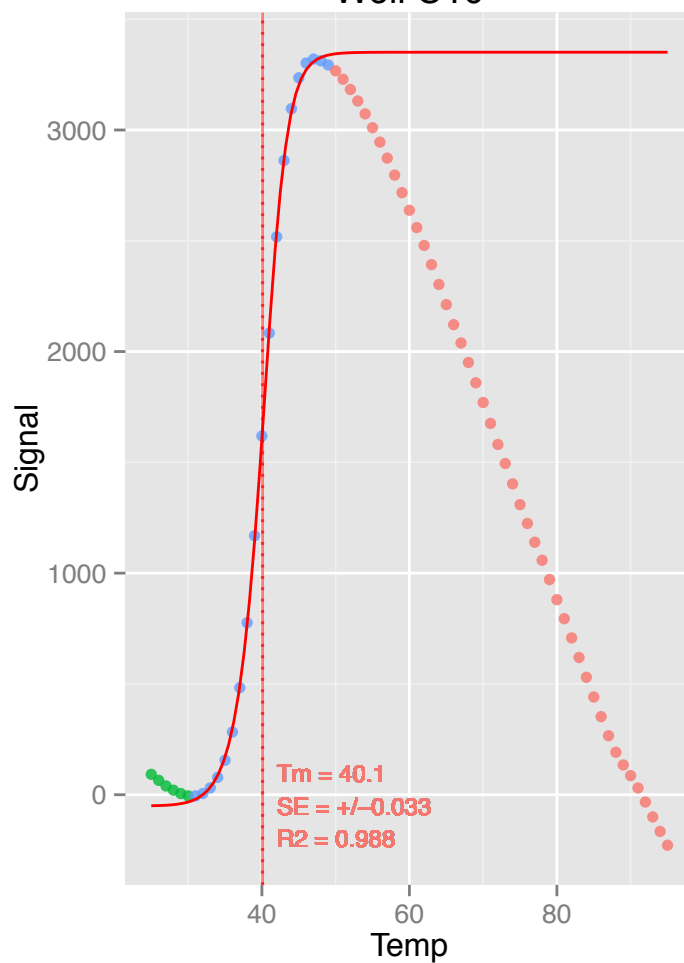
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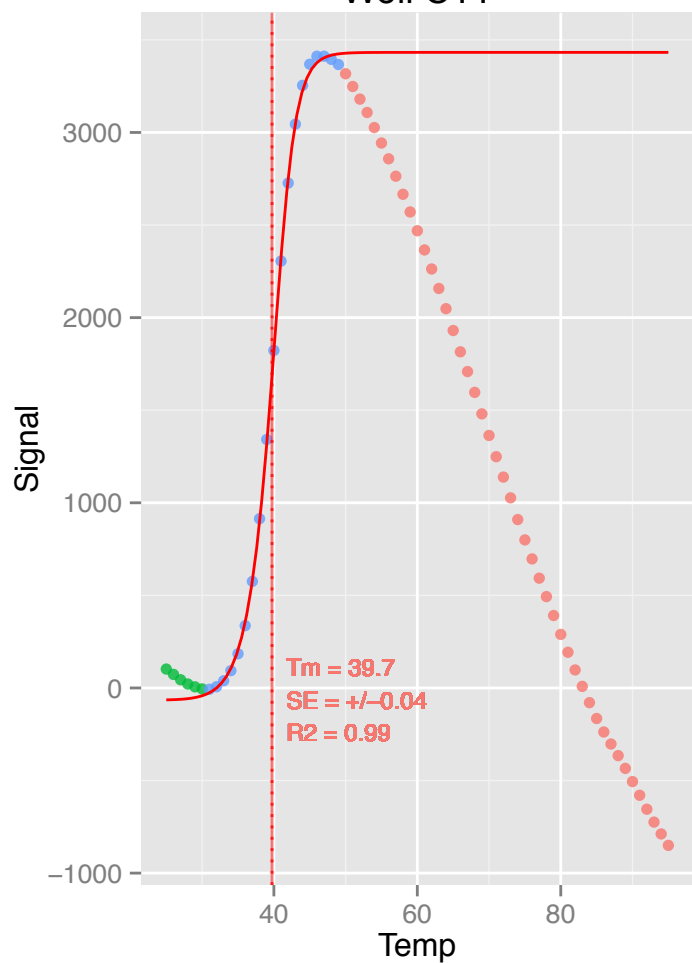
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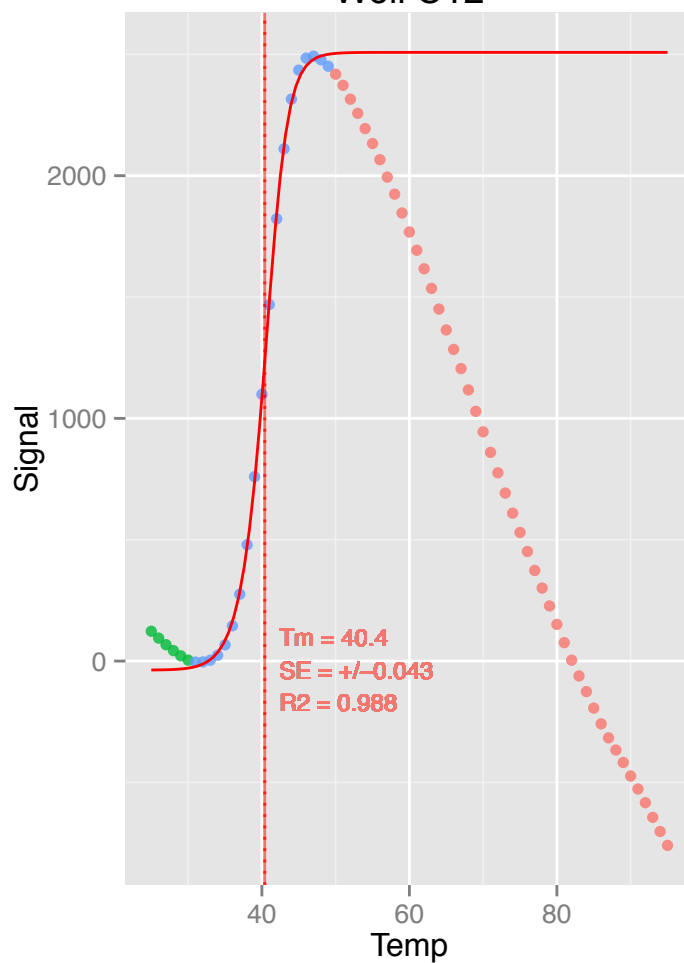
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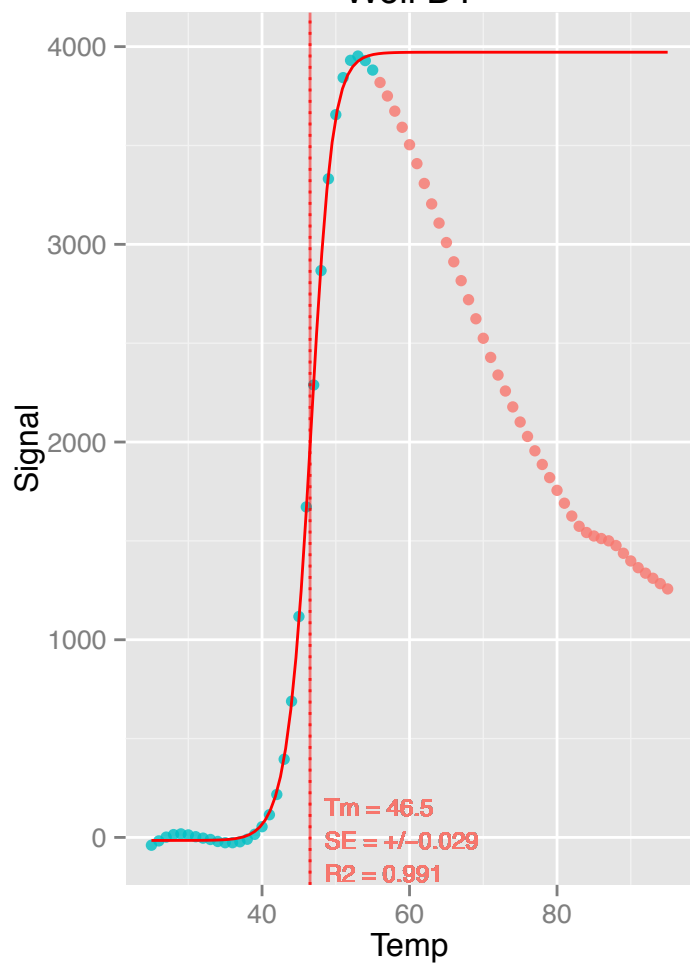
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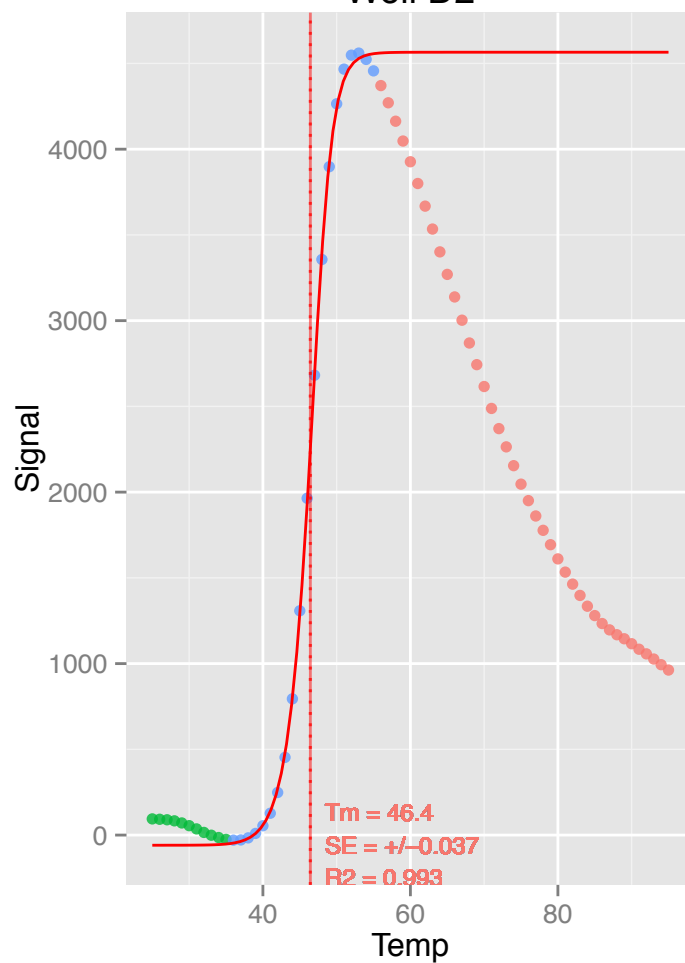
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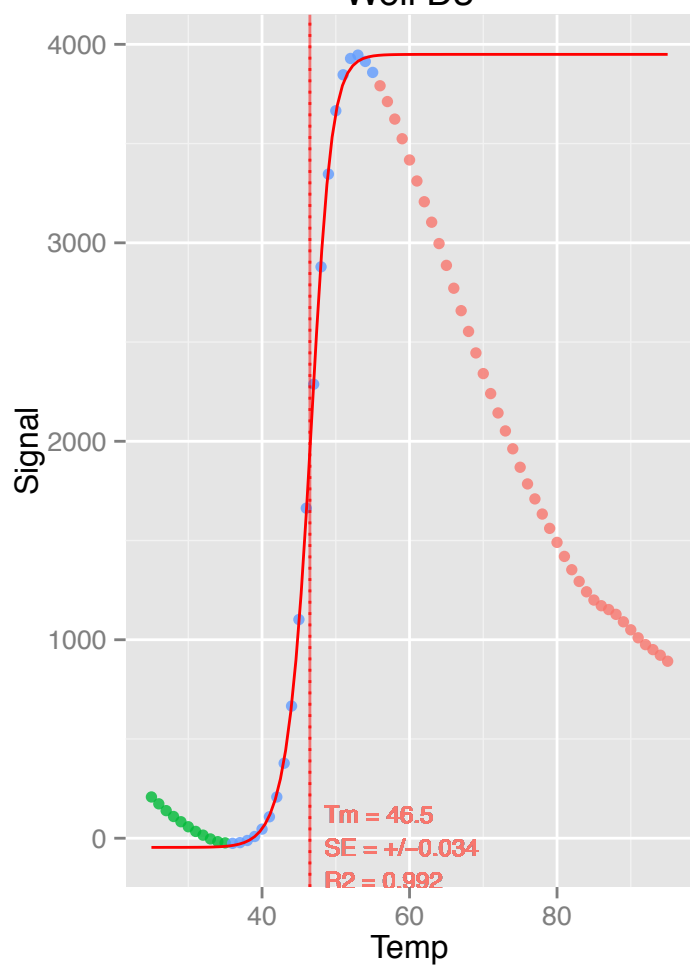
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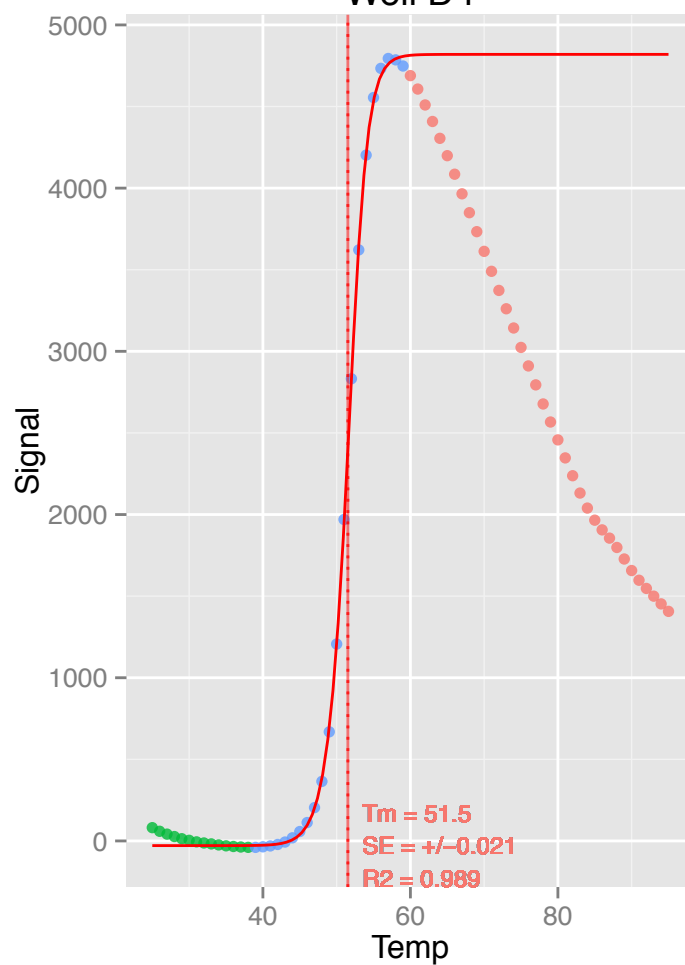
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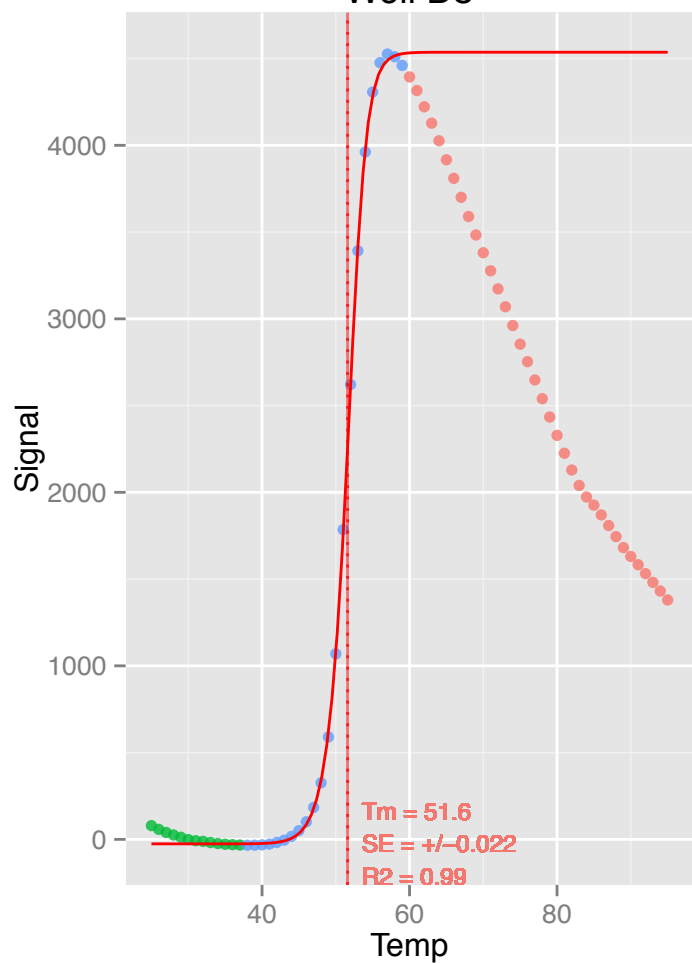
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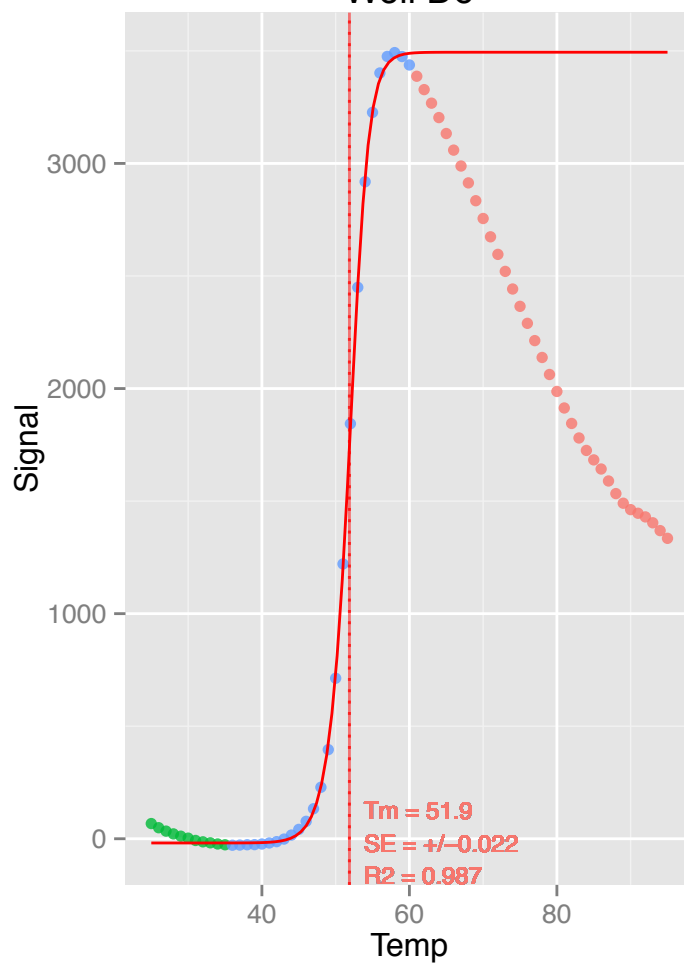
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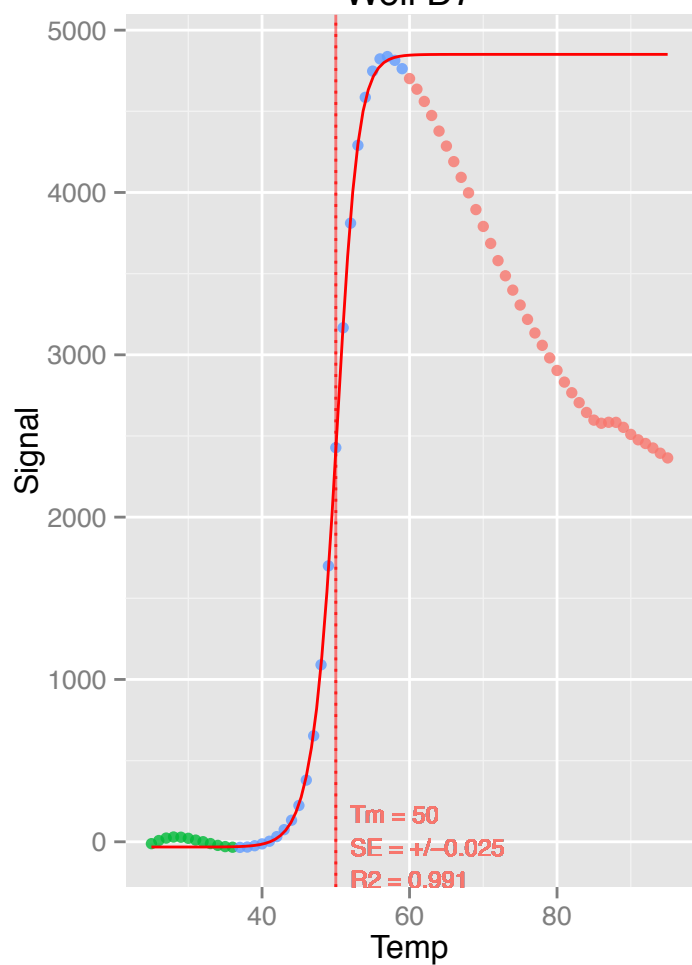
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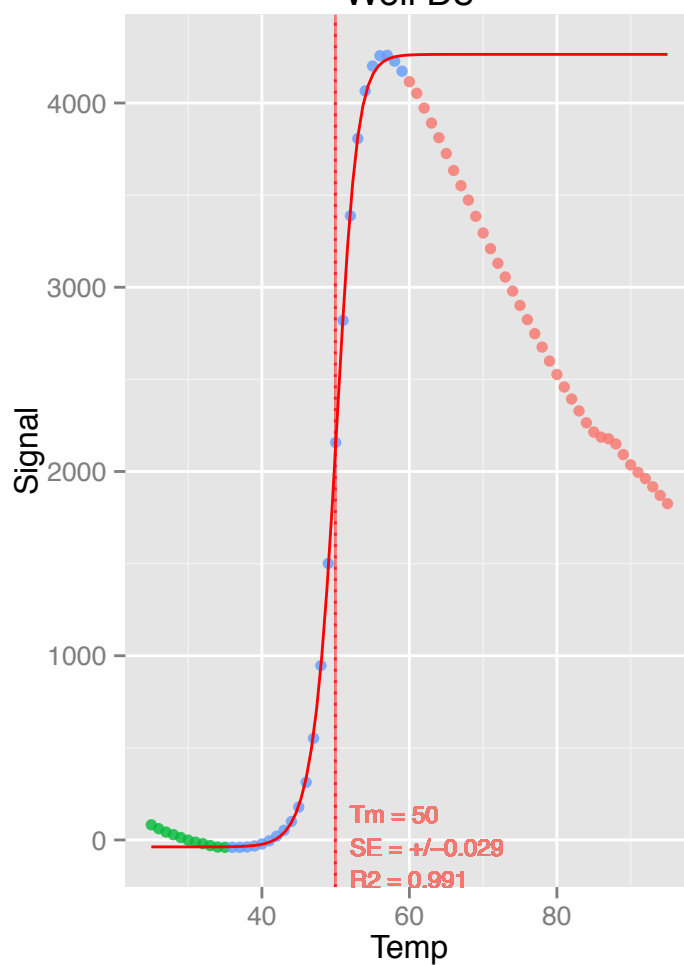
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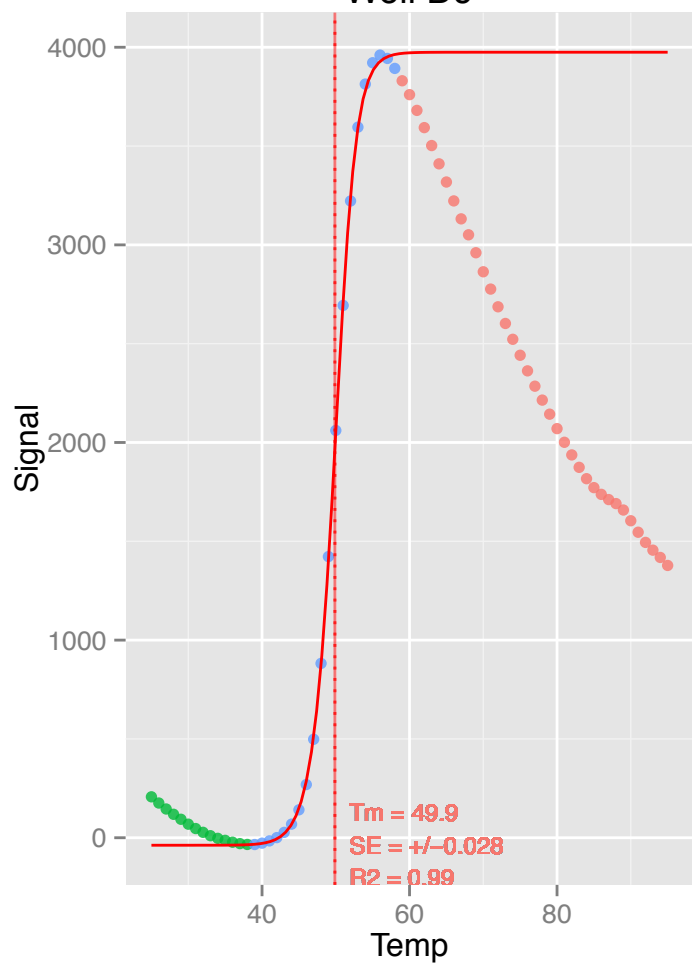
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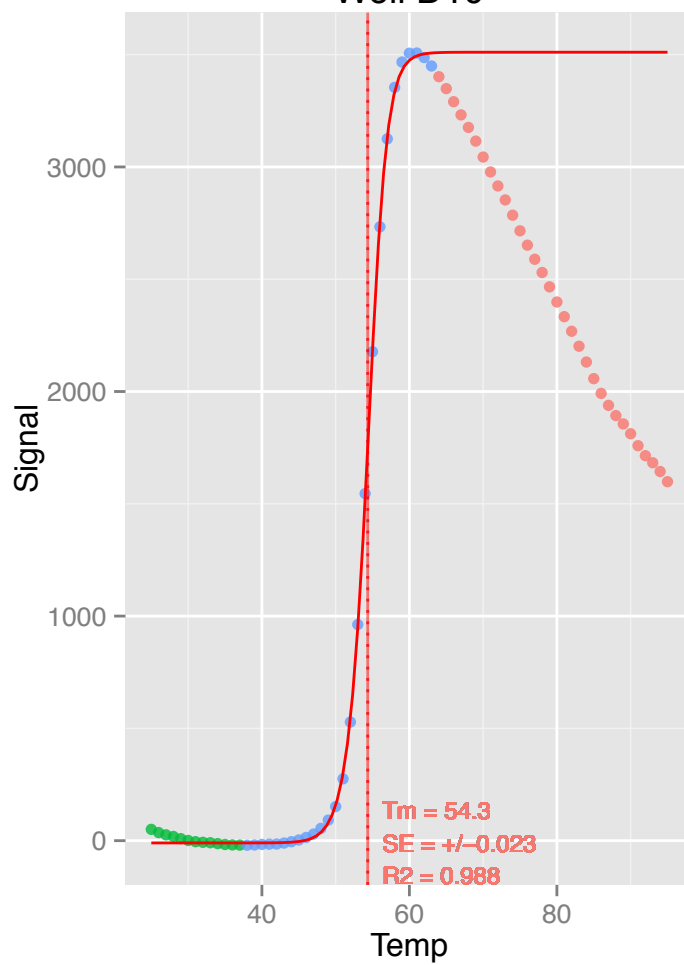
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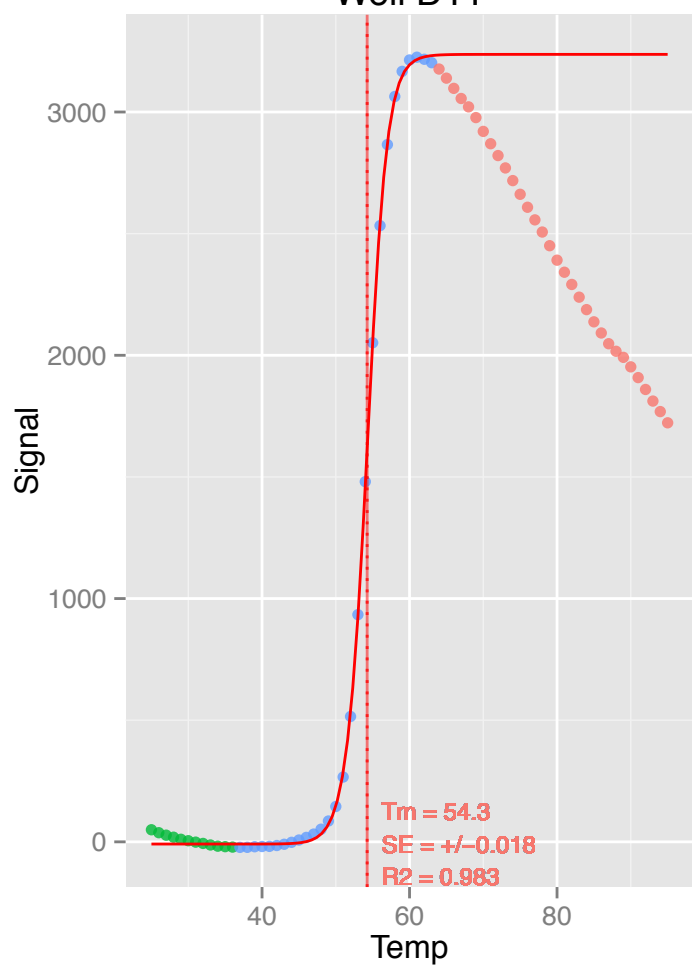
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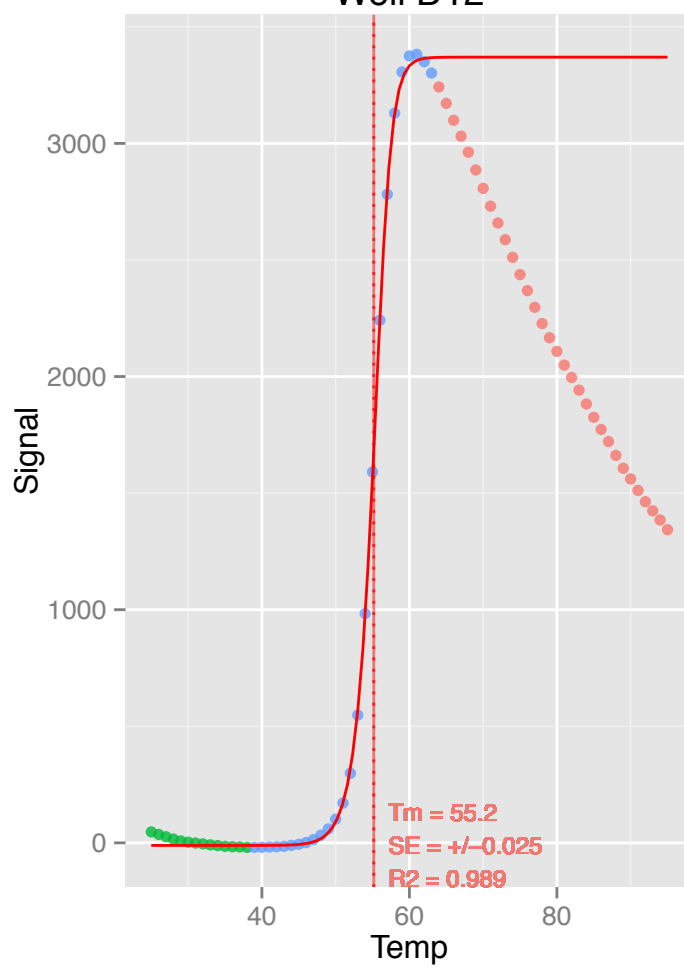
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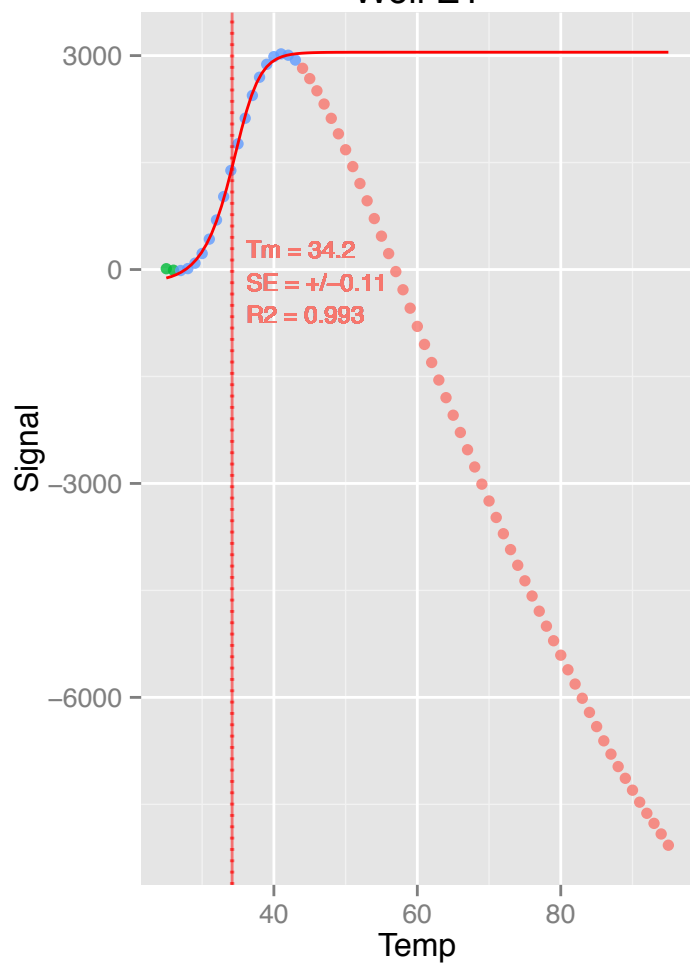
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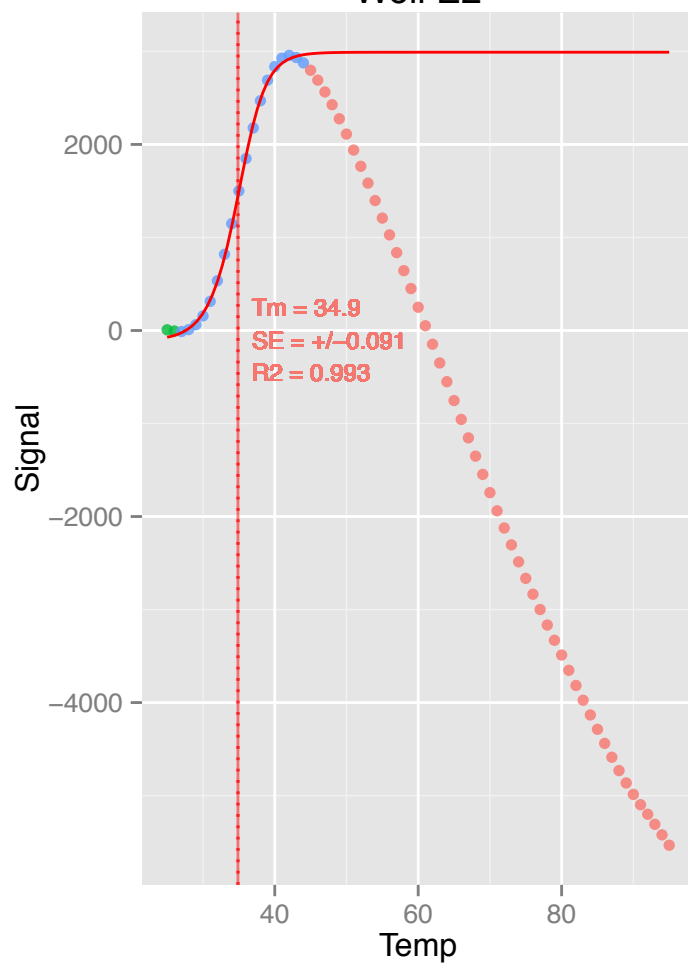
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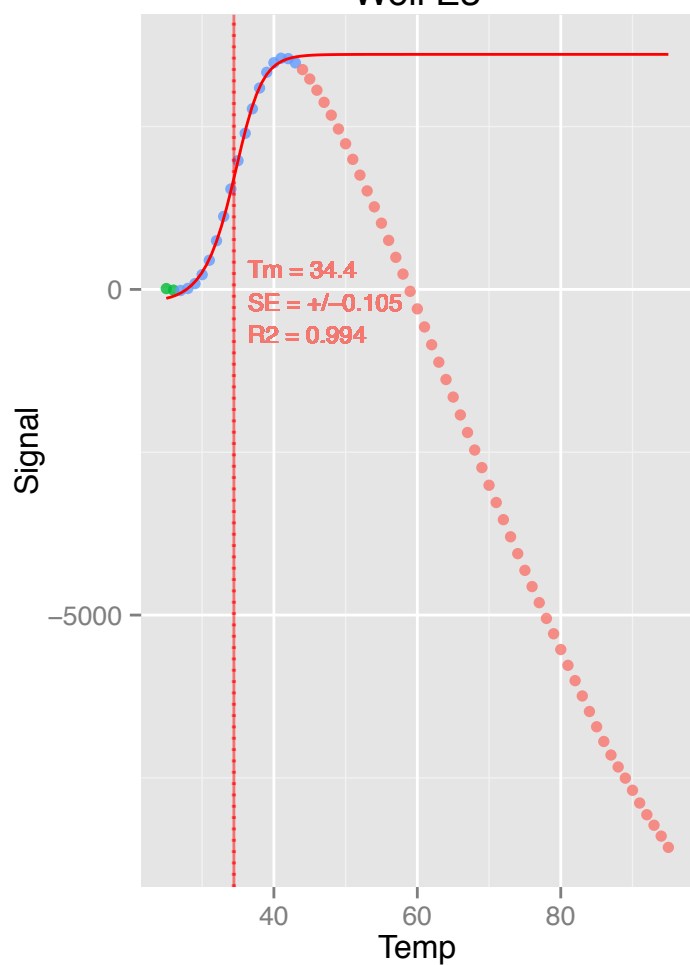
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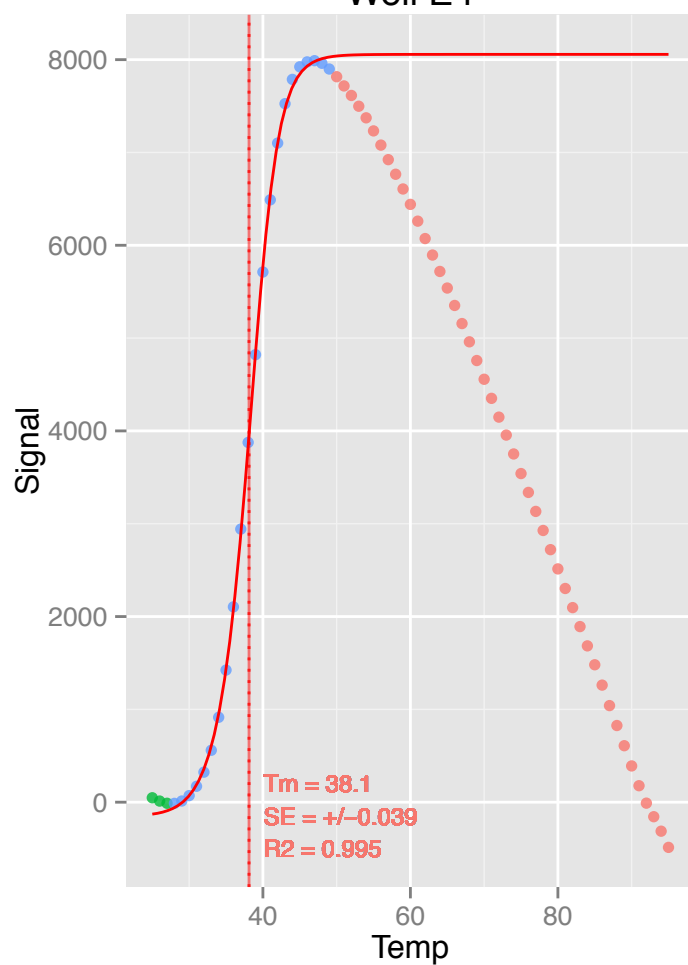
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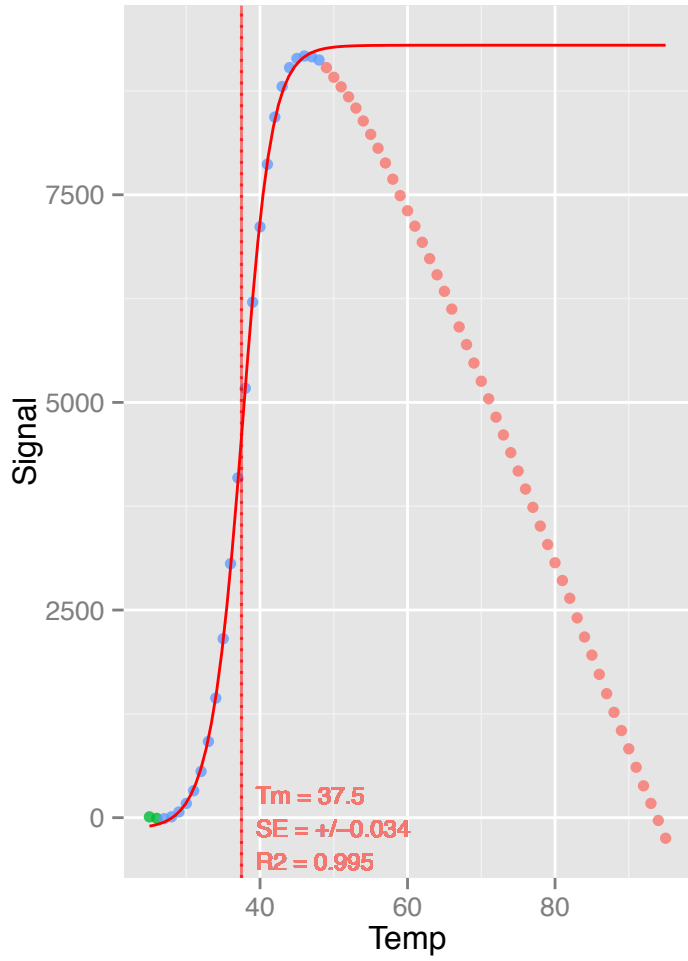
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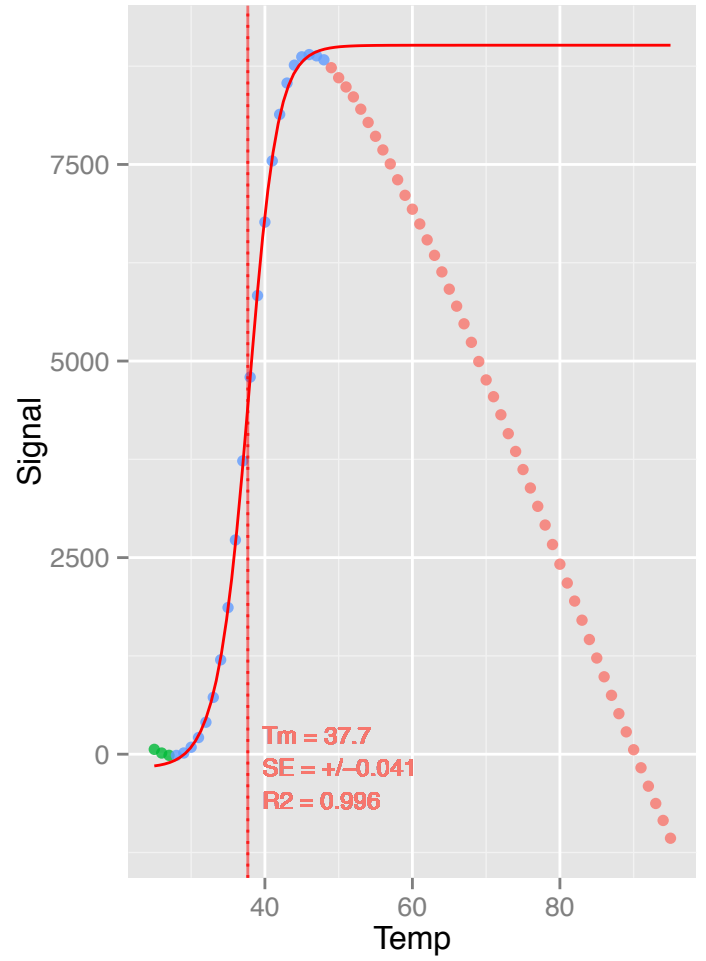
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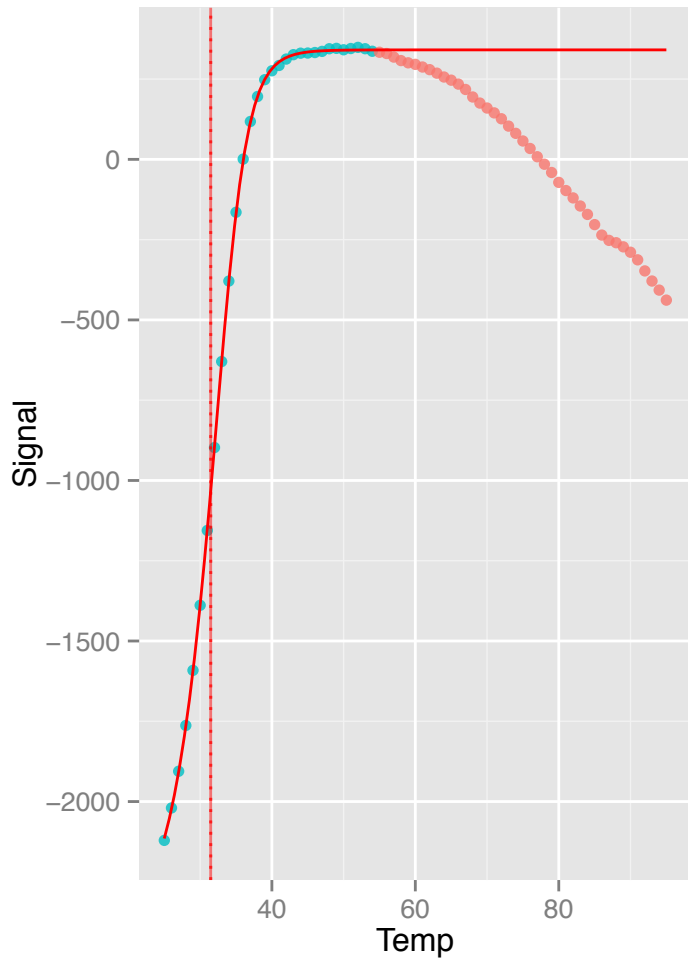
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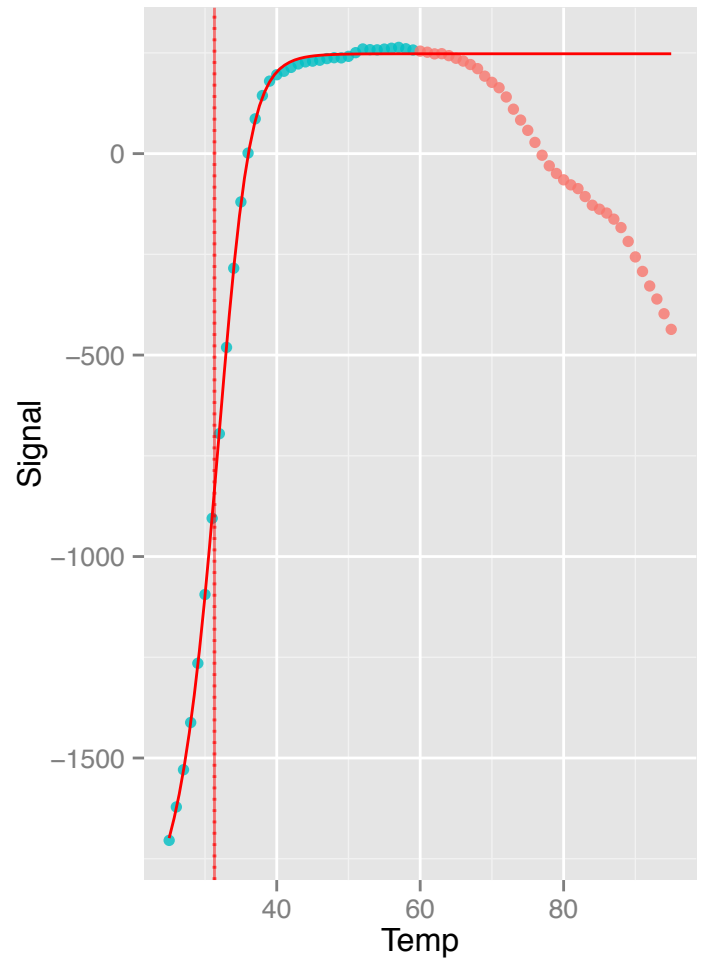
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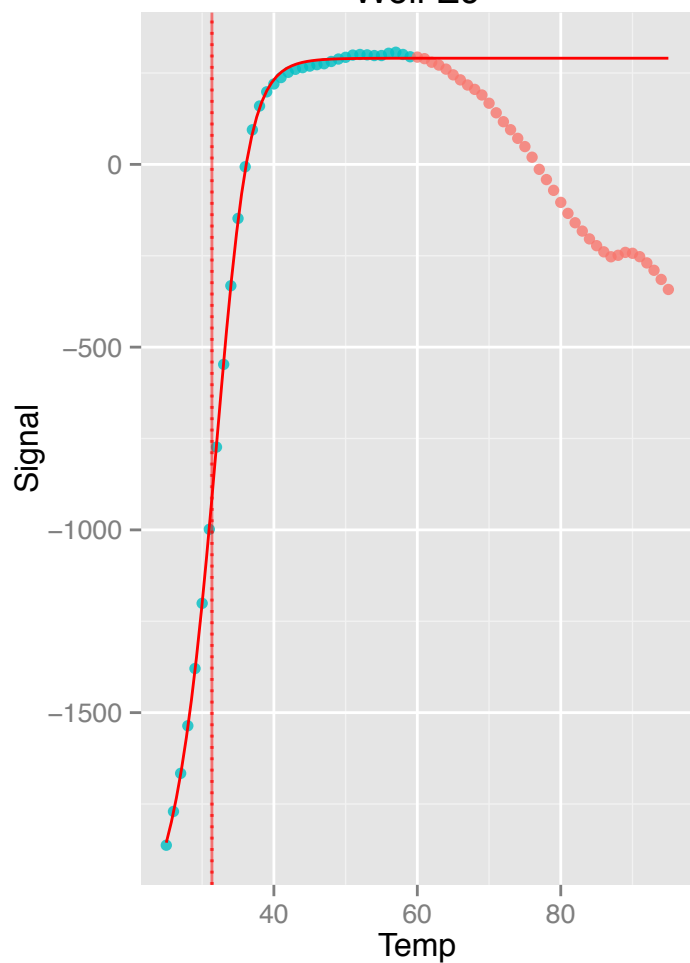
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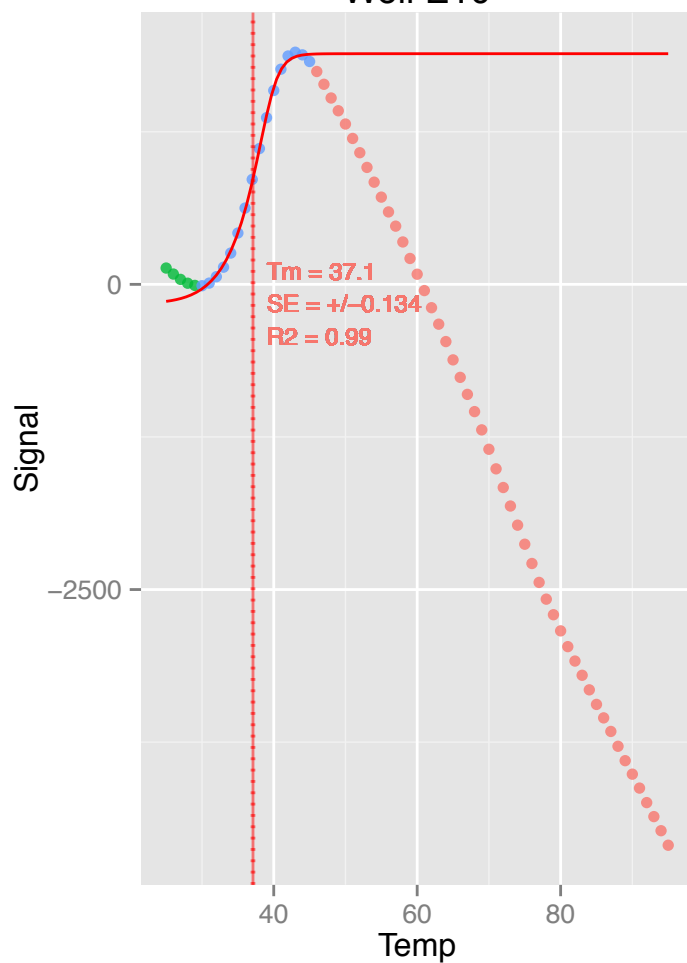
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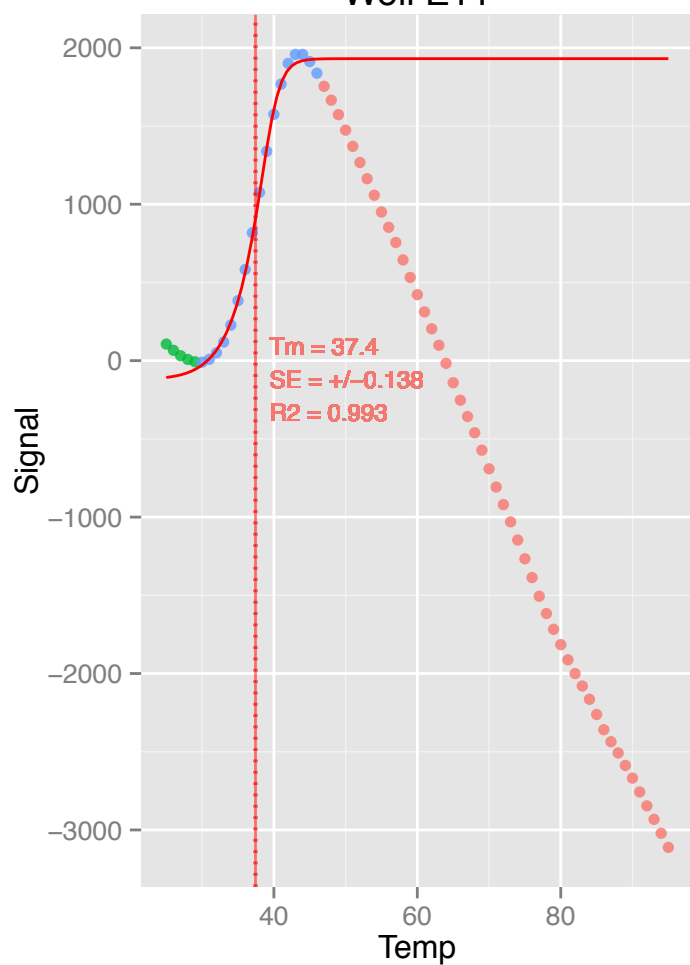
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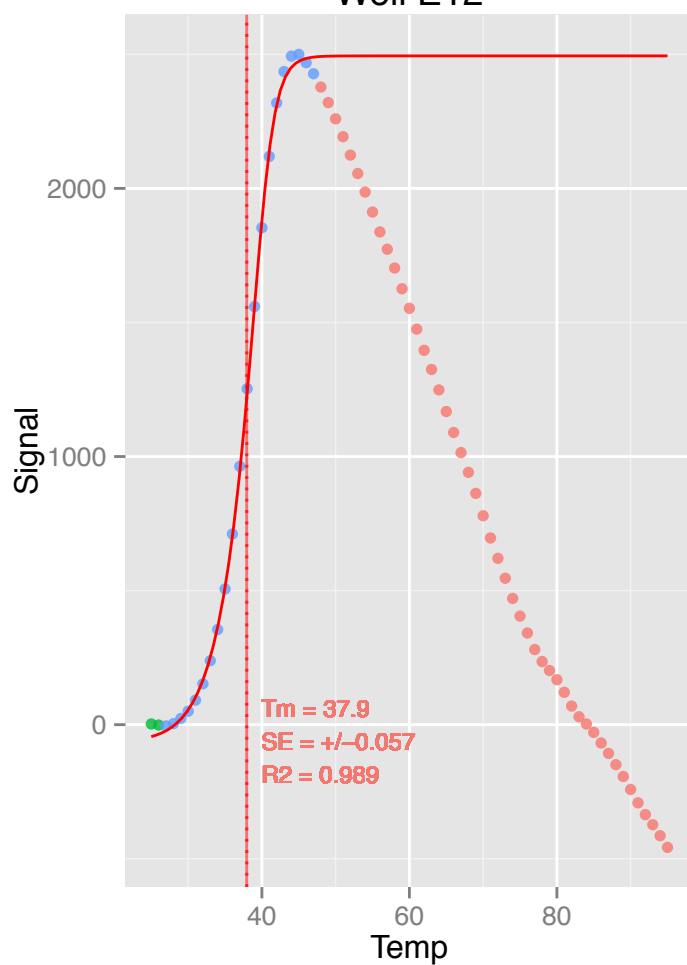
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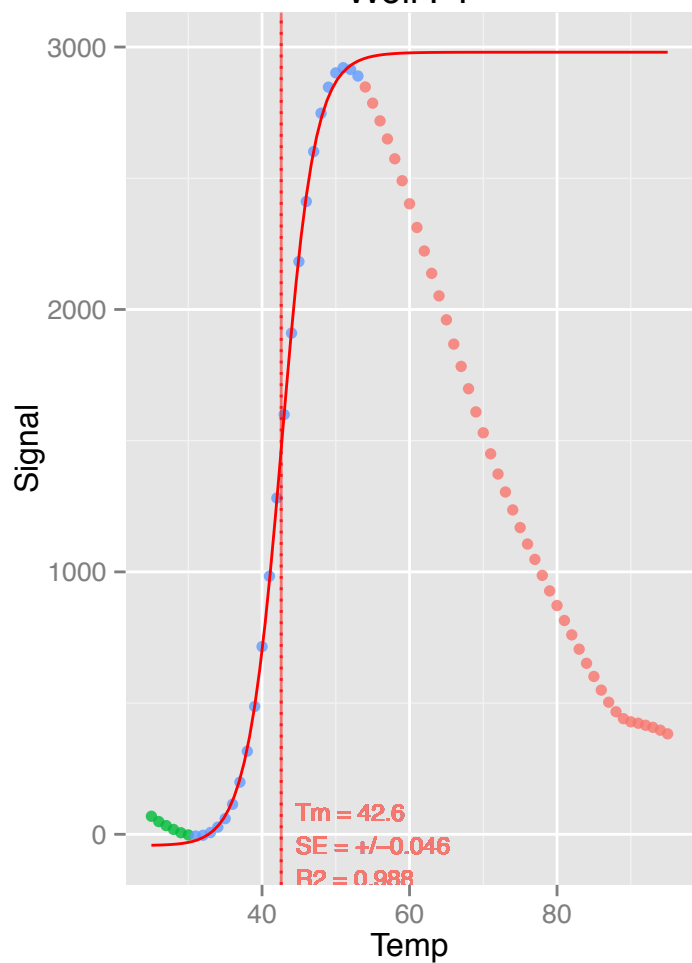
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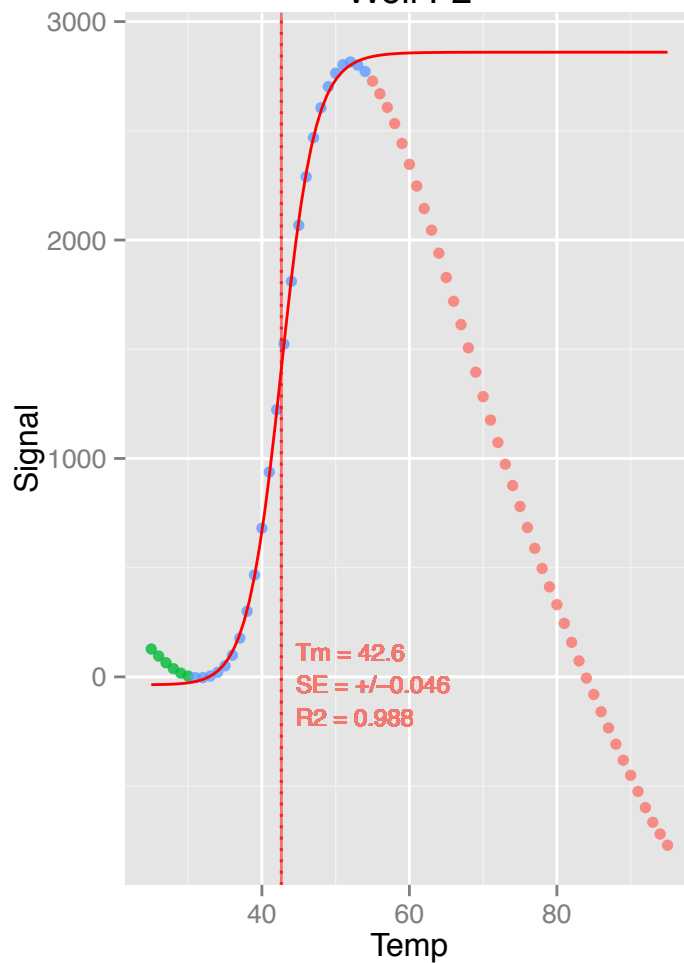
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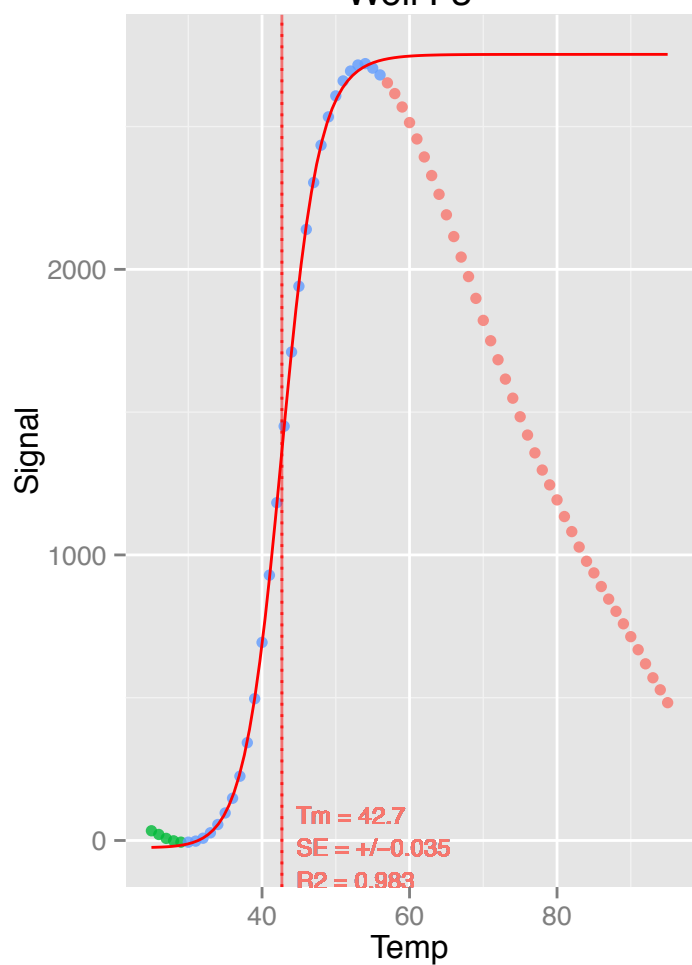
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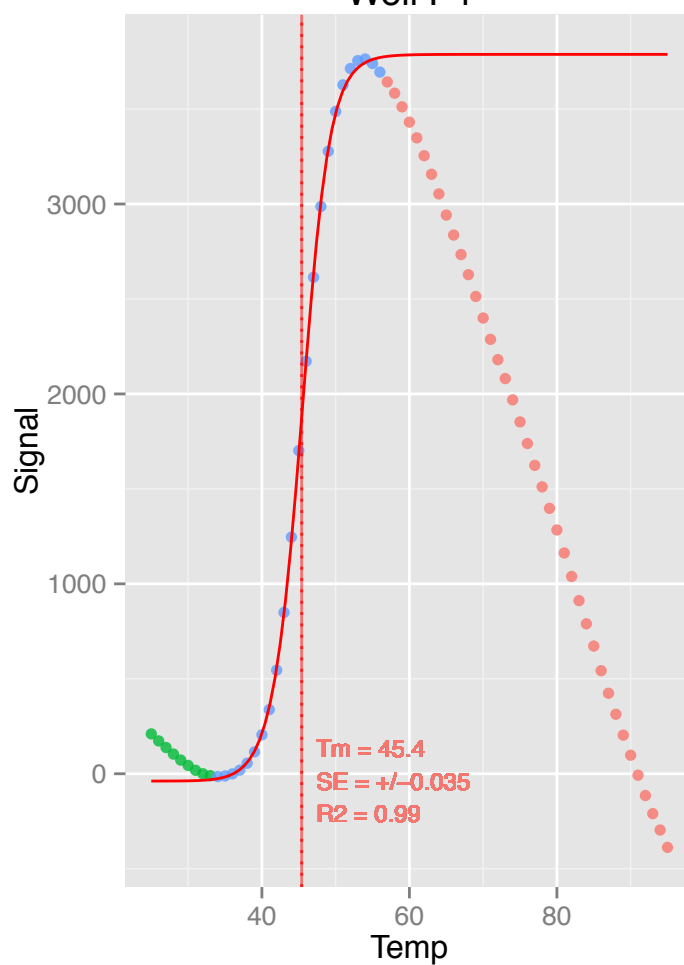
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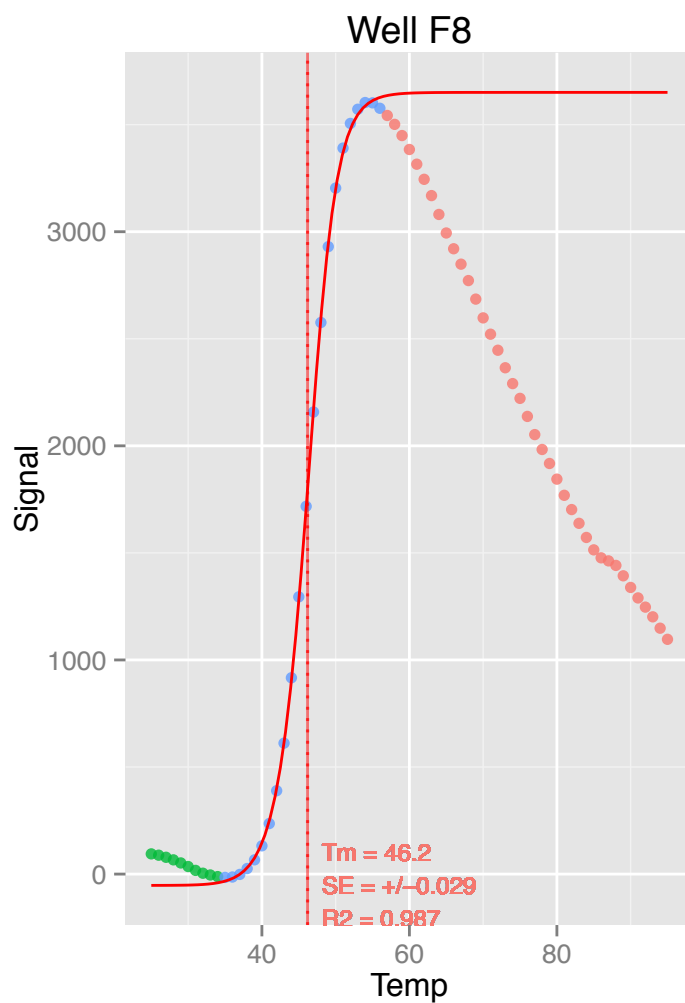
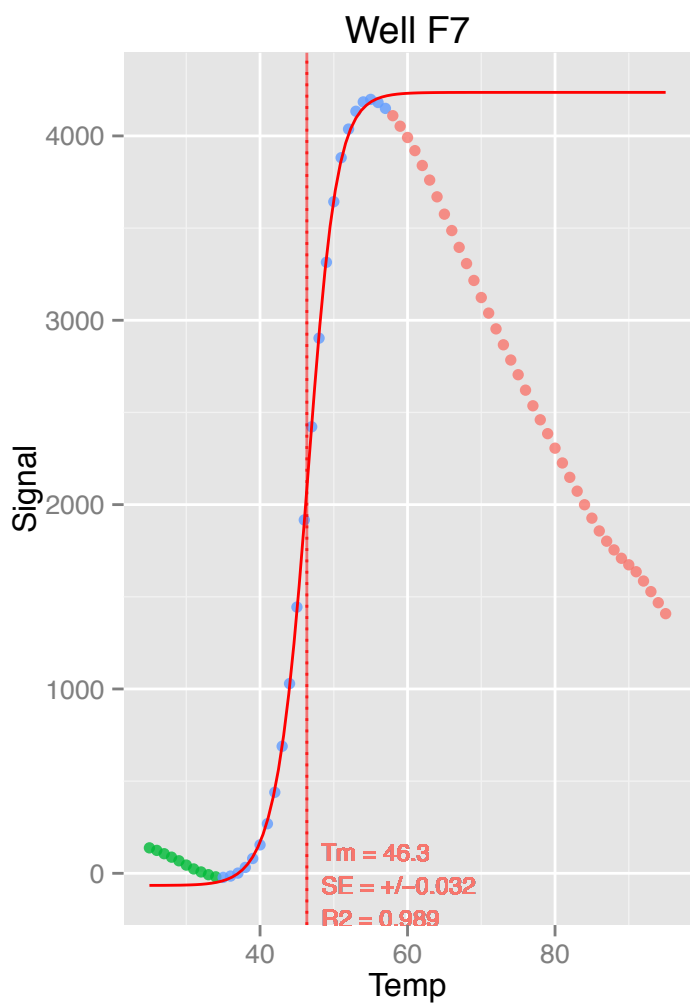
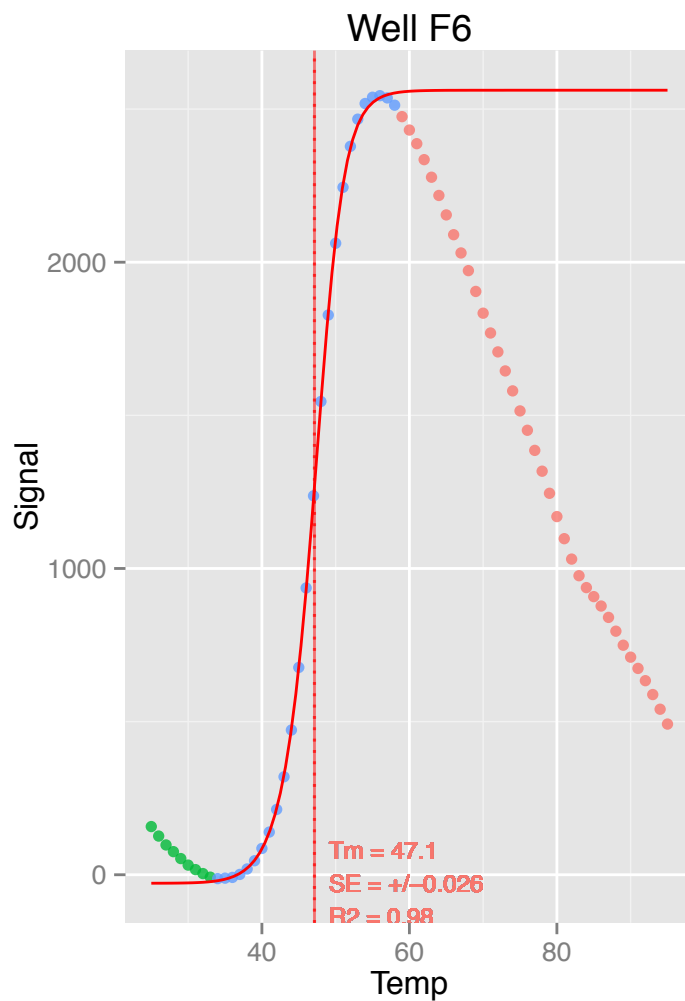
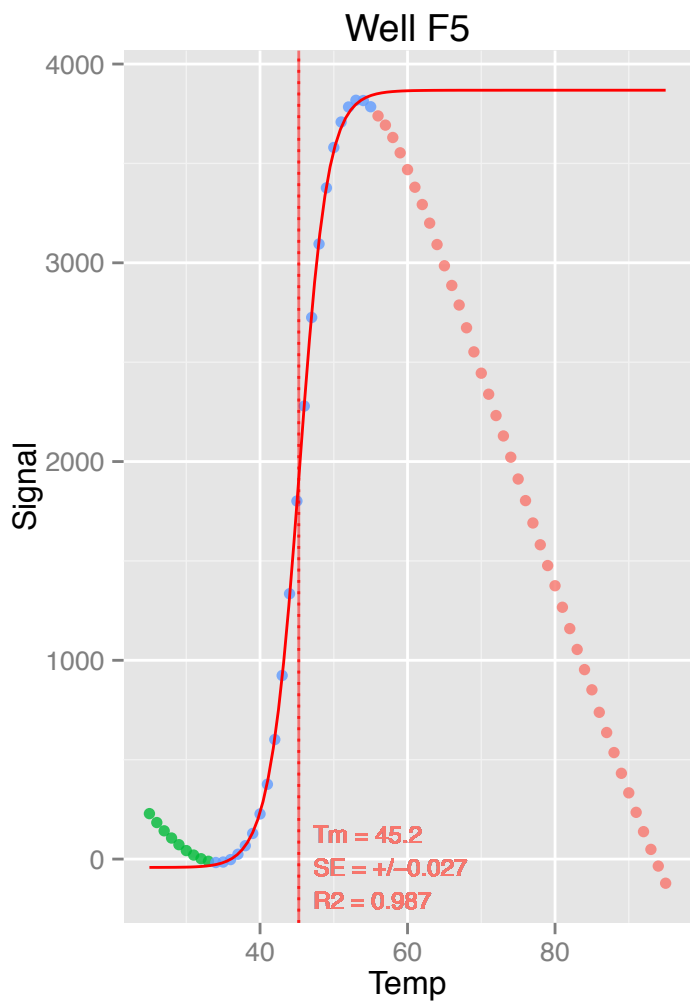


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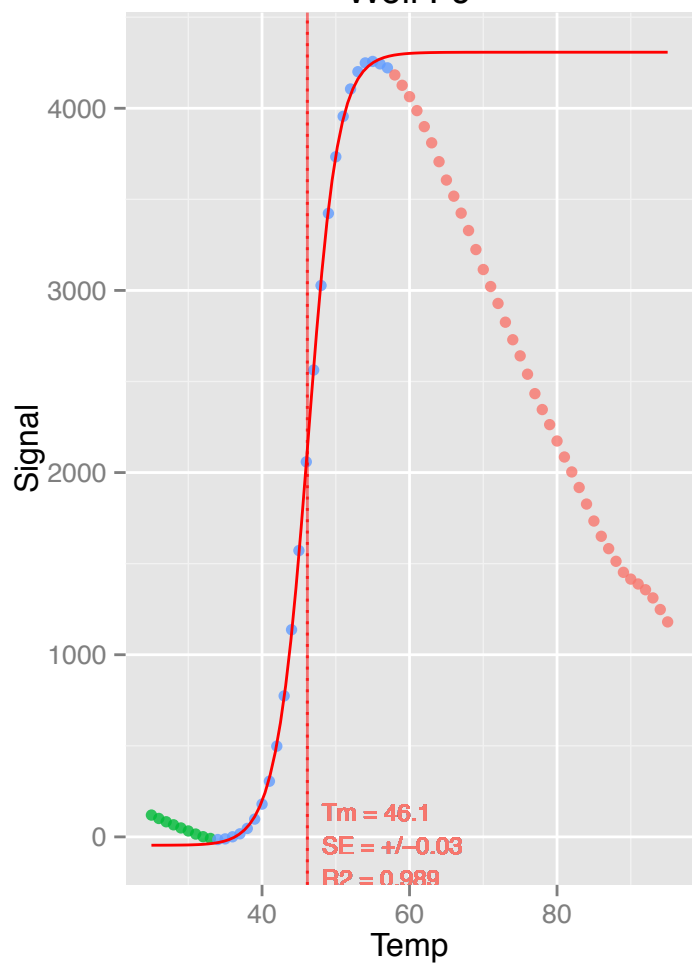


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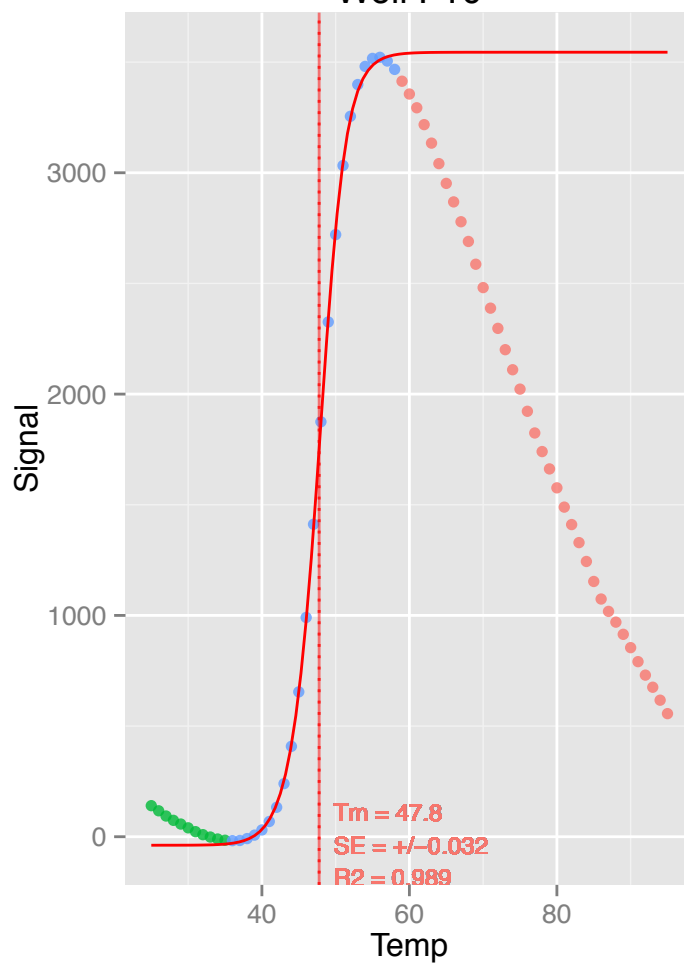




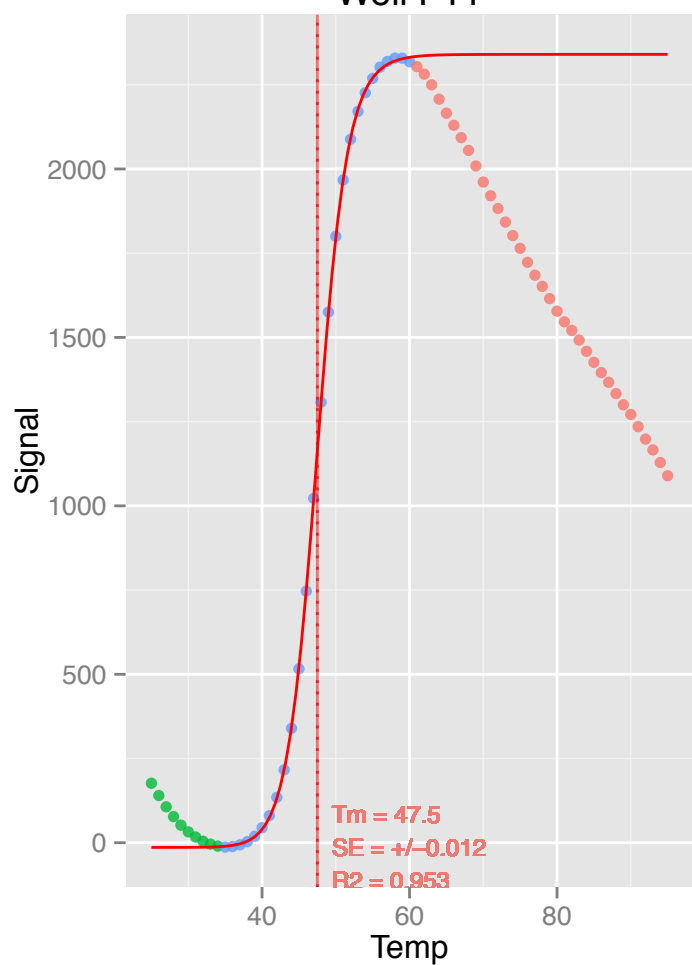
Well F9



Well F10



Well F11



Well F12

