

Figure S1a Actual by predicted plot for Rs 1

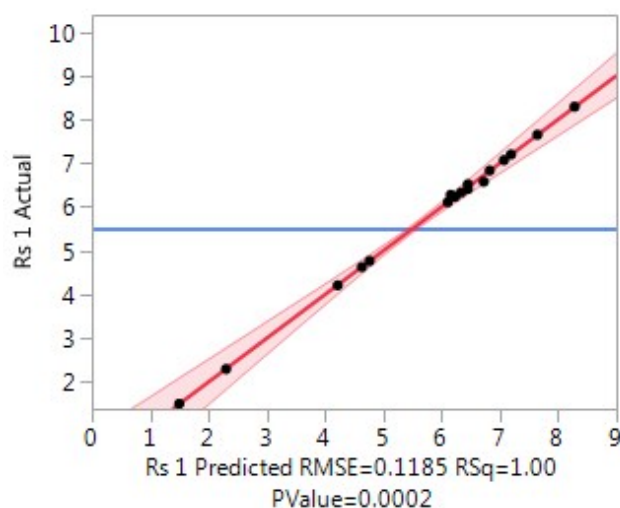


Figure S1b Interaction Profiles for Rs 1

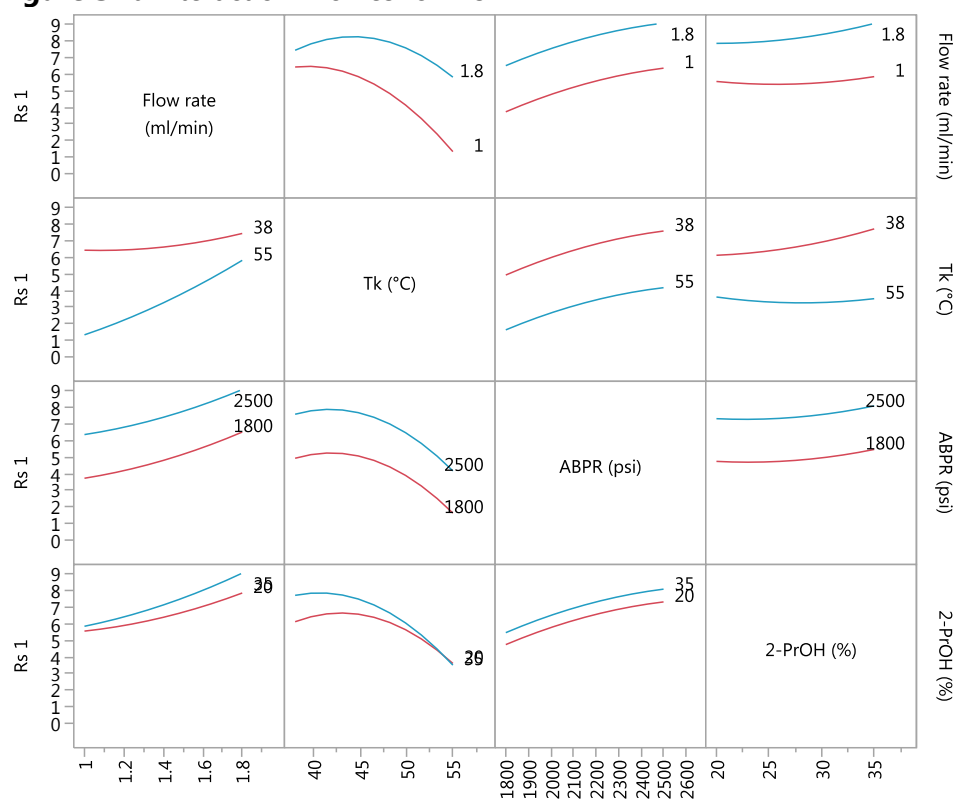


Figure S2a Actual by predicted plot for Rs 2

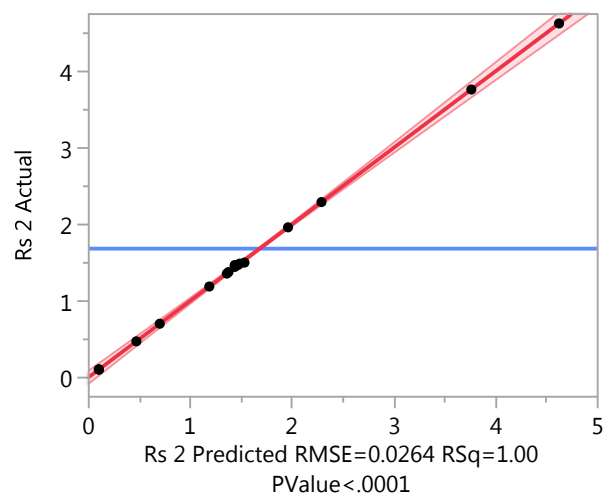


Figure S2b Interaction Profiles for Rs 2

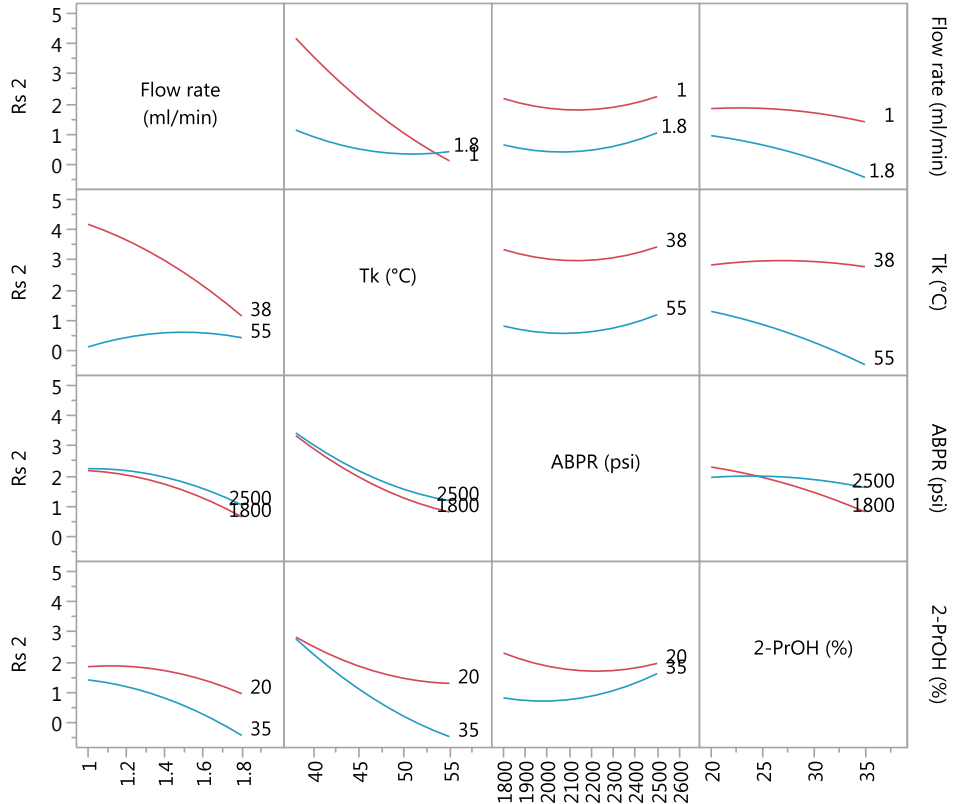


Figure S3a Actual by predicted plot for Rs 3

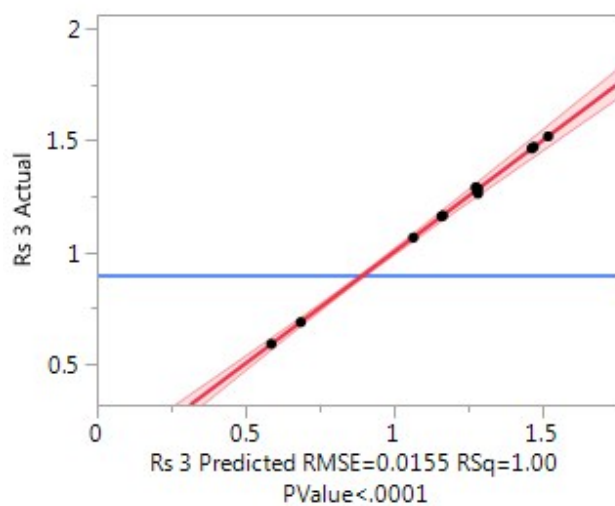


Figure S3b Interaction Profiles for Rs 3

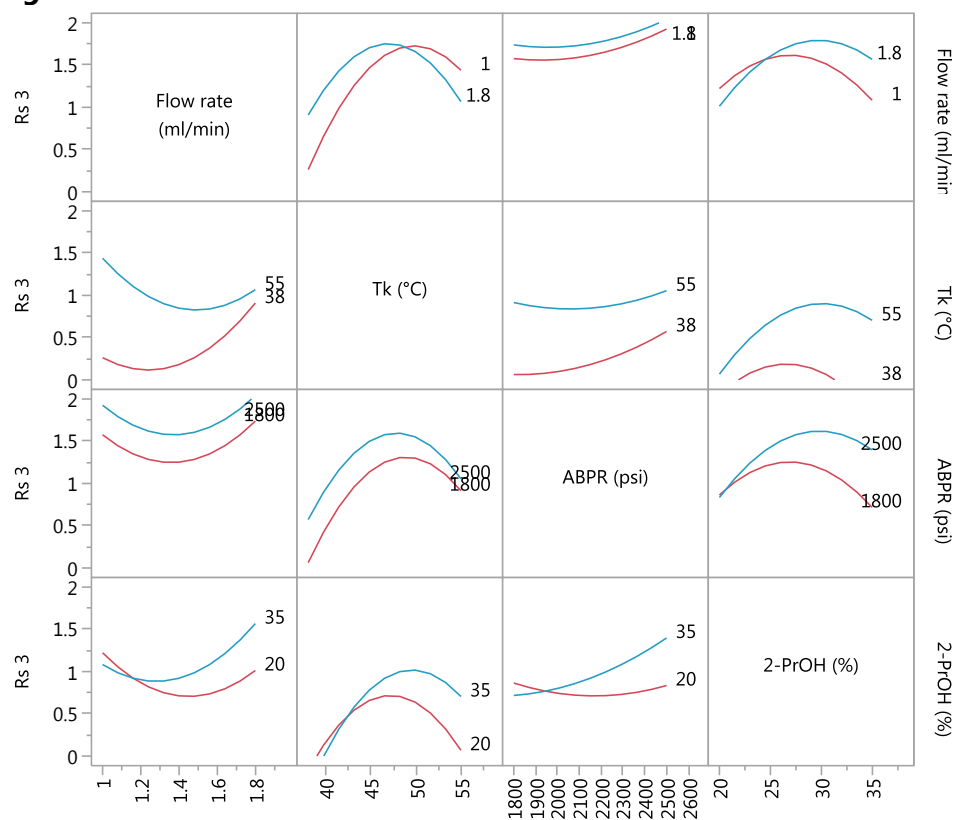


Figure S4a Actual by predicted plot for TF 1

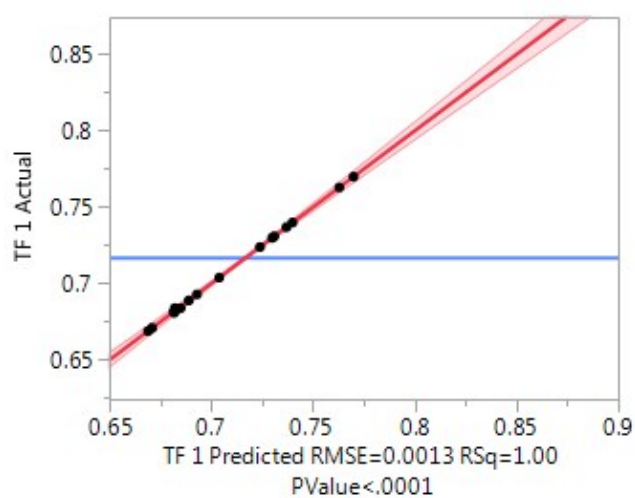


Figure S4b Interaction Profiles for TF 1

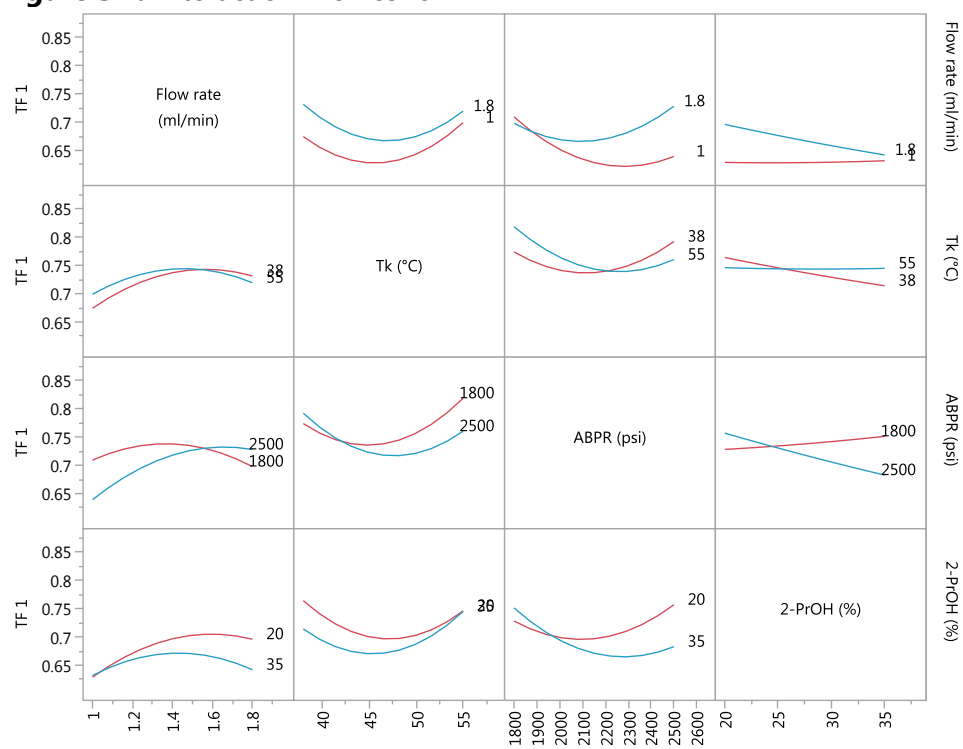


Figure S5a Actual by predicted plot for TF 2

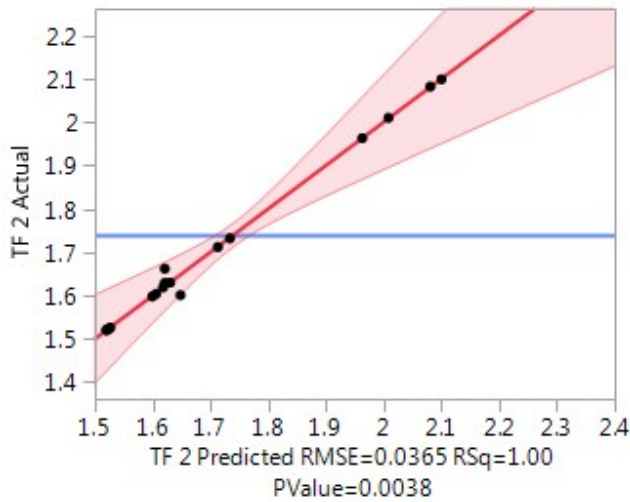
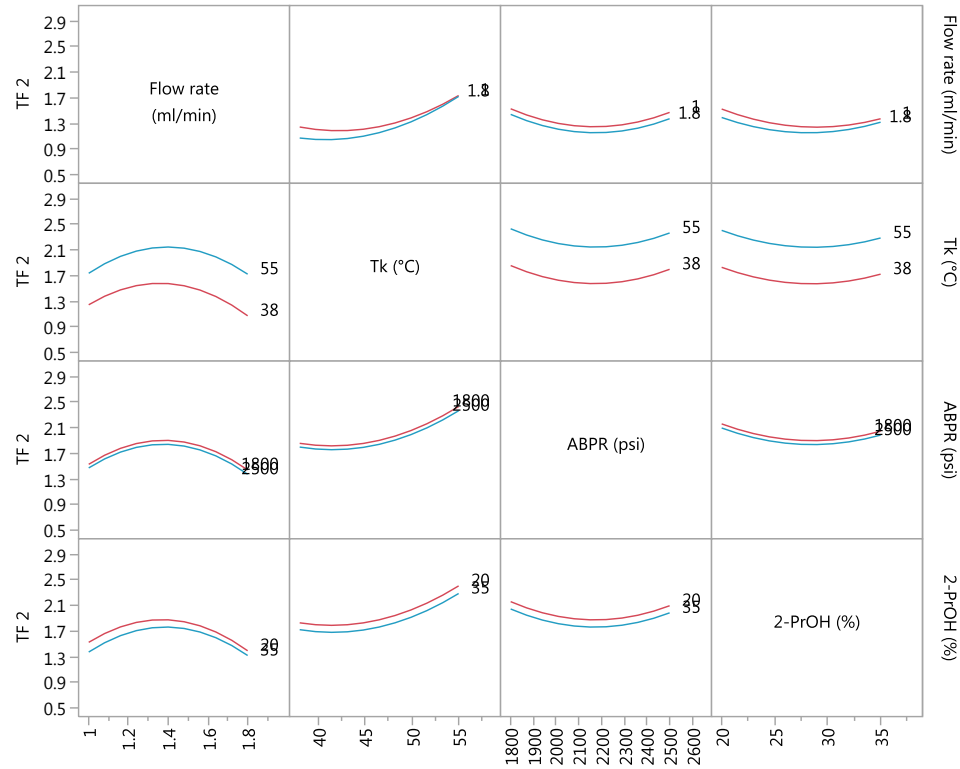


Figure S5b Interaction Profiles for TF 2



Solubility of Isoniazid and Rifabutin and respectable Log P values

Solvent	Isoniazid (mg/ml)	Rifabutin (mg/ml)
Methanol	1.9	13.3
2-propanol	7.3	4.7
Acetonitrile	3.4	4.3
n-heptane	0.0	2.8
n-methyl pyrrolidone	98.4	7.0
Ethanol	8.1	4.3
Benzyl alcohol	30.4	5.9
Dimethyl sulfoxide	>115.9	0.3
H2O	98.1	0.1
Aqueous solvent pH 1.1 (0.1 N HCl)	85.0	2.0
Aqueous buffer pH 2.5 (citric buffer)	108.1	2.9
Aqueous buffer pH 4.0 (citric-phosphate buffer)	75.3	0.7
Aqueous buffer pH 6.8 (phosphate buffer)	86.3	0.0
Aqueous buffer pH 7.5 (phosphate buffer)	89.2	0.1
Log P	-0.7*	4.1*

* PubChem open-access data-base. U.S. National Library of Medicine, National Center for Biotechnology Information. 2018.
<https://pubchem.ncbi.nlm.nih.gov/compound/3767>; <https://pubchem.ncbi.nlm.nih.gov/compound/6323490>. Assessed on 12 Dec 2018.