

**S2 Table. Data from Titrations of Candidate Botanical Extracts for Inhibition of KHKC Activity.**

Rxn ID	Well	Sample		Sample Conc (µg/mL)	Sample (OD <sub>340nm</sub> )	Ave. No Fructose Controls (OD <sub>340nm</sub> )	Ave. Fructose Only Controls (OD <sub>340nm</sub> )	KHKC Inhibition (%)	*KHKC IC <sub>50</sub> (µg/mL)
		Botanical Plate	Well						
Rxn #23	A1	FTL Plate 15	B9	200	0.066	0.0772	0.422	103.2	32.15
Rxn #23	A2	FTL Plate 15	B9	150	0.117	0.0772	0.422	88.5	
Rxn #23	A3	FTL Plate 15	B9	100	0.029	0.0772	0.422	114.0	
Rxn #23	A4	FTL Plate 15	B9	50	0.074	0.0772	0.422	100.9	
Rxn #23	A5	FTL Plate 15	B9	25	0.378	0.0772	0.422	12.8	
Rxn #23	A6	FTL Plate 15	B9	10	0.441	0.0772	0.422	-5.5	
Rxn #23	A7	FTL Plate 15	B9	5	0.444	0.0772	0.422	-6.4	
Rxn #23	A8	FTL Plate 15	B9	1	0.462	0.0772	0.422	-11.6	
Rxn #23	A9	FTL Plate 15	B9	0.5	0.462	0.0772	0.422	-11.6	
Rxn #23	A10	FTL Plate 15	B9	0.1	0.454	0.0772	0.422	-9.3	
Rxn #23	G1	FTL Plate 26	F4	200	0.142	0.0772	0.422	81.2	39.24
Rxn #23	G2	FTL Plate 26	F4	150	0.156	0.0772	0.422	77.1	
Rxn #23	G3	FTL Plate 26	F4	100	0.182	0.0772	0.422	69.6	
Rxn #23	G4	FTL Plate 26	F4	50	0.222	0.0772	0.422	58.0	
Rxn #23	G5	FTL Plate 26	F4	25	0.323	0.0772	0.422	28.7	
Rxn #23	G6	FTL Plate 26	F4	10	0.404	0.0772	0.422	5.2	
Rxn #23	G7	FTL Plate 26	F4	5	0.421	0.0772	0.422	0.3	
Rxn #23	G8	FTL Plate 26	F4	1	0.476	0.0772	0.422	-15.7	
Rxn #23	G9	FTL Plate 26	F4	0.5	0.475	0.0772	0.422	-15.4	
Rxn #23	G10	FTL Plate 26	F4	0.1	0.471	0.0772	0.422	-14.2	
Rxn #23	F1	FTL Plate 26	D4	200	0.114	0.0772	0.422	89.3	23.22
Rxn #23	F2	FTL Plate 26	D4	150	0.115	0.0772	0.422	89.0	
Rxn #23	F3	FTL Plate 26	D4	100	0.136	0.0772	0.422	82.9	
Rxn #23	F4	FTL Plate 26	D4	50	0.179	0.0772	0.422	70.5	
Rxn #23	F5	FTL Plate 26	D4	25	0.265	0.0772	0.422	45.5	
Rxn #23	F6	FTL Plate 26	D4	10	0.344	0.0772	0.422	22.6	
Rxn #23	F7	FTL Plate 26	D4	5	0.394	0.0772	0.422	8.1	
Rxn #23	F8	FTL Plate 26	D4	1	0.451	0.0772	0.422	-8.4	
Rxn #23	F9	FTL Plate 26	D4	0.5	0.458	0.0772	0.422	-10.4	
Rxn #23	F10	FTL Plate 26	D4	0.1	0.474	0.0772	0.422	-15.1	
Rxn #23	E1	FTL Plate 26	B4	200	0.133	0.0772	0.422	83.8	22.56
Rxn #23	E2	FTL Plate 26	B4	150	0.119	0.0772	0.422	87.9	
Rxn #23	E3	FTL Plate 26	B4	100	0.141	0.0772	0.422	81.5	
Rxn #23	E4	FTL Plate 26	B4	50	0.181	0.0772	0.422	69.9	
Rxn #23	E5	FTL Plate 26	B4	25	0.248	0.0772	0.422	50.5	
Rxn #23	E6	FTL Plate 26	B4	10	0.345	0.0772	0.422	22.3	
Rxn #23	E7	FTL Plate 26	B4	5	0.391	0.0772	0.422	9.0	
Rxn #23	E8	FTL Plate 26	B4	1	0.446	0.0772	0.422	-7.0	
Rxn #23	E9	FTL Plate 26	B4	0.5	0.455	0.0772	0.422	-9.6	
Rxn #23	E10	FTL Plate 26	B4	0.1	0.448	0.0772	0.422	-7.5	
Rxn #23	C1	FTL Plate 3	D2	200	0.115	0.0772	0.422	89.0	30.41
Rxn #23	C2	FTL Plate 3	D2	150	0.136	0.0772	0.422	82.9	
Rxn #23	C3	FTL Plate 3	D2	100	0.156	0.0772	0.422	77.1	
Rxn #23	C4	FTL Plate 3	D2	50	0.200	0.0772	0.422	64.4	
Rxn #23	C5	FTL Plate 3	D2	25	0.289	0.0772	0.422	38.6	
Rxn #23	C6	FTL Plate 3	D2	10	0.360	0.0772	0.422	18.0	
Rxn #23	C7	FTL Plate 3	D2	5	0.408	0.0772	0.422	4.1	
Rxn #23	C8	FTL Plate 3	D2	1	0.454	0.0772	0.422	-9.3	
Rxn #23	C9	FTL Plate 3	D2	0.5	0.450	0.0772	0.422	-8.1	
Rxn #23	C10	FTL Plate 3	D2	0.1	0.461	0.0772	0.422	-11.3	
Rxn #23	D1	FTL Plate 3	C3	200	0.140	0.0772	0.422	81.8	30.31
Rxn #23	D2	FTL Plate 3	C3	150	0.146	0.0772	0.422	80.0	
Rxn #23	D3	FTL Plate 3	C3	100	0.159	0.0772	0.422	76.3	
Rxn #23	D4	FTL Plate 3	C3	50	0.200	0.0772	0.422	64.4	
Rxn #23	D5	FTL Plate 3	C3	25	0.291	0.0772	0.422	38.0	
Rxn #23	D6	FTL Plate 3	C3	10	0.373	0.0772	0.422	14.2	
Rxn #23	D7	FTL Plate 3	C3	5	0.403	0.0772	0.422	5.5	
Rxn #23	D8	FTL Plate 3	C3	1	0.459	0.0772	0.422	-10.7	
Rxn #23	D9	FTL Plate 3	C3	0.5	0.466	0.0772	0.422	-12.8	
Rxn #23	D10	FTL Plate 3	C3	0.1	0.455	0.0772	0.422	-9.6	
Rxn #23	B1	FTL Plate 3	B1	200	0.166	0.0772	0.422	74.2	57.27
Rxn #23	B2	FTL Plate 3	B1	150	0.178	0.0772	0.422	70.8	
Rxn #23	B3	FTL Plate 3	B1	100	0.208	0.0772	0.422	62.1	
Rxn #23	B4	FTL Plate 3	B1	50	0.265	0.0772	0.422	45.5	
Rxn #23	B5	FTL Plate 3	B1	25	0.345	0.0772	0.422	22.3	
Rxn #23	B6	FTL Plate 3	B1	10	0.414	0.0772	0.422	2.3	
Rxn #23	B7	FTL Plate 3	B1	5	0.419	0.0772	0.422	0.9	
Rxn #23	B8	FTL Plate 3	B1	1	0.463	0.0772	0.422	-11.9	
Rxn #23	B9	FTL Plate 3	B1	0.5	0.458	0.0772	0.422	-10.4	
Rxn #23	B10	FTL Plate 3	B1	0.1	0.458	0.0772	0.422	-10.4	
Rxn #23	H1	FTL Plate 8	C11	200	0.159	0.0772	0.422	76.3	50.85
Rxn #23	H2	FTL Plate 8	C11	150	0.177	0.0772	0.422	71.1	

**S2 Table. Data from Titrations of Candidate Botanical Extracts for Inhibition of KHKC Activity.**

Rxn		Sample			Sample	Ave. No Fructose Controls	Ave. Fructose Only Controls	KHKC	*KHKC IC <sub>50</sub>
ID	Well	Botanical Plate	Well	Conc (µg/mL)	( OD <sub>340nm</sub> )	( OD <sub>340nm</sub> )	( OD <sub>340nm</sub> )	Inhibition (%)	(µg/mL)
Rxn #23	H3	FTL Plate 8	C11	100	0.209	0.0772	0.422	61.8	
Rxn #23	H4	FTL Plate 8	C11	50	0.258	0.0772	0.422	47.6	
Rxn #23	H5	FTL Plate 8	C11	25	0.316	0.0772	0.422	30.7	
Rxn #23	H6	FTL Plate 8	C11	10	0.428	0.0772	0.422	-1.7	
Rxn #23	H7	FTL Plate 8	C11	5	0.454	0.0772	0.422	-9.3	
Rxn #23	H8	FTL Plate 8	C11	1	0.478	0.0772	0.422	-16.2	
Rxn #23	H9	FTL Plate 8	C11	0.5	0.460	0.0772	0.422	-11.0	
Rxn #23	H10	FTL Plate 8	C11	0.1	0.458	0.0772	0.422	-10.4	
Rxn #23	D12	No Fructose Control			0.076	0.0772	0.422	100.3	
Rxn #23	E12	No Fructose Control			0.073	0.0772	0.422	101.2	
Rxn #23	F12	No Fructose Control			0.073	0.0772	0.422	101.2	
Rxn #23	G12	No Fructose Control			0.085	0.0772	0.422	97.7	
Rxn #23	H12	No Fructose Control			0.079	0.0772	0.422	99.5	
Rxn #23	A11	Fructose Only Control			0.428	0.0772	0.422	-1.7	
Rxn #23	H11	Fructose Only Control			0.465	0.0772	0.422	-12.5	
Rxn #23	A12	Fructose Only Control			0.407	0.0772	0.422	4.4	
Rxn #23	B12	Fructose Only Control			0.368	0.0772	0.422	15.7	
Rxn #23	C12	Fructose Only Control			0.442	0.0772	0.422	-5.8	
Rxn #25	H1	FTL Plate 23	F9	200	0.272	0.0624	0.550	57.0	129.50
Rxn #25	H2	FTL Plate 23	F9	150	0.312	0.0624	0.550	48.8	
Rxn #25	H3	FTL Plate 23	F9	100	0.321	0.0624	0.550	47.0	
Rxn #25	H4	FTL Plate 23	F9	50	0.412	0.0624	0.550	28.3	
Rxn #25	H5	FTL Plate 23	F9	25	0.443	0.0624	0.550	21.9	
Rxn #25	H6	FTL Plate 23	F9	10	0.497	0.0624	0.550	10.9	
Rxn #25	H7	FTL Plate 23	F9	5	0.539	0.0624	0.550	2.3	
Rxn #25	H8	FTL Plate 23	F9	1	0.538	0.0624	0.550	2.5	
Rxn #25	H9	FTL Plate 23	F9	0.5	0.574	0.0624	0.550	-4.9	
Rxn #25	H10	FTL Plate 23	F9	0.1	0.559	0.0624	0.550	-1.8	
Rxn #25	G1	FTL Plate 23	E10	200	0.321	0.0624	0.550	47.0	209.10
Rxn #25	G2	FTL Plate 23	E10	150	0.357	0.0624	0.550	39.6	
Rxn #25	G3	FTL Plate 23	E10	100	0.366	0.0624	0.550	37.7	
Rxn #25	G4	FTL Plate 23	E10	50	0.442	0.0624	0.550	22.1	
Rxn #25	G5	FTL Plate 23	E10	25	0.463	0.0624	0.550	17.8	
Rxn #25	G6	FTL Plate 23	E10	10	0.531	0.0624	0.550	3.9	
Rxn #25	G7	FTL Plate 23	E10	5	0.540	0.0624	0.550	2.1	
Rxn #25	G8	FTL Plate 23	E10	1	0.544	0.0624	0.550	1.2	
Rxn #25	G9	FTL Plate 23	E10	0.5	0.551	0.0624	0.550	-0.2	
Rxn #25	G10	FTL Plate 23	E10	0.1	0.540	0.0624	0.550	2.1	
Rxn #25	D1	FTL Plate 24	D2	200	0.221	0.0624	0.550	67.5	76.41
Rxn #25	D2	FTL Plate 24	D2	150	0.245	0.0624	0.550	62.6	
Rxn #25	D3	FTL Plate 24	D2	100	0.269	0.0624	0.550	57.6	
Rxn #25	D4	FTL Plate 24	D2	50	0.335	0.0624	0.550	44.1	
Rxn #25	D5	FTL Plate 24	D2	25	0.386	0.0624	0.550	33.6	
Rxn #25	D6	FTL Plate 24	D2	10	0.466	0.0624	0.550	17.2	
Rxn #25	D7	FTL Plate 24	D2	5	0.492	0.0624	0.550	11.9	
Rxn #25	D8	FTL Plate 24	D2	1	0.500	0.0624	0.550	10.3	
Rxn #25	D9	FTL Plate 24	D2	0.5	0.533	0.0624	0.550	3.5	
Rxn #25	D10	FTL Plate 24	D2	0.1	0.521	0.0624	0.550	5.9	
Rxn #25	E1	FTL Plate 24	C6	200	0.240	0.0624	0.550	63.6	120.90
Rxn #25	E2	FTL Plate 24	C6	150	0.301	0.0624	0.550	51.1	
Rxn #25	E3	FTL Plate 24	C6	100	0.323	0.0624	0.550	46.6	
Rxn #25	E4	FTL Plate 24	C6	50	0.374	0.0624	0.550	36.1	
Rxn #25	E5	FTL Plate 24	C6	25	0.423	0.0624	0.550	26.0	
Rxn #25	E6	FTL Plate 24	C6	10	0.493	0.0624	0.550	11.7	
Rxn #25	E7	FTL Plate 24	C6	5	0.496	0.0624	0.550	11.1	
Rxn #25	E8	FTL Plate 24	C6	1	0.513	0.0624	0.550	7.6	
Rxn #25	E9	FTL Plate 24	C6	0.5	0.546	0.0624	0.550	0.8	
Rxn #25	E10	FTL Plate 24	C6	0.1	0.534	0.0624	0.550	3.3	
Rxn #25	A1	FTL Plate 8	B9	200	0.234	0.0624	0.550	64.8	106.90
Rxn #25	A2	FTL Plate 8	B9	150	0.253	0.0624	0.550	60.9	
Rxn #25	A3	FTL Plate 8	B9	100	0.320	0.0624	0.550	47.2	
Rxn #25	A4	FTL Plate 8	B9	50	0.385	0.0624	0.550	33.8	
Rxn #25	A5	FTL Plate 8	B9	25	0.450	0.0624	0.550	20.5	
Rxn #25	A6	FTL Plate 8	B9	10	0.513	0.0624	0.550	7.6	
Rxn #25	A7	FTL Plate 8	B9	5	0.546	0.0624	0.550	0.8	
Rxn #25	A8	FTL Plate 8	B9	1	0.534	0.0624	0.550	3.3	
Rxn #25	A9	FTL Plate 8	B9	0.5	0.545	0.0624	0.550	1.0	
Rxn #25	A10	FTL Plate 8	B9	0.1	0.541	0.0624	0.550	1.8	
Rxn #25	C1	FTL Plate 9	G11	200	0.170	0.0624	0.550	77.9	8.92
Rxn #25	C2	FTL Plate 9	G11	150	0.125	0.0624	0.550	87.2	
Rxn #25	C3	FTL Plate 9	G11	100	0.075	0.0624	0.550	97.4	
Rxn #25	C4	FTL Plate 9	G11	50	0.134	0.0624	0.550	85.3	

**S2 Table. Data from Titrations of Candidate Botanical Extracts for Inhibition of KHKC Activity.**

Rxn		Sample		Sample	Ave. No Fructose Controls	Ave. Fructose Only Controls	KHKC	*KHKC IC <sub>50</sub>
ID	Well	Botanical Plate	Well	Conc (µg/mL)	( OD <sub>340nm</sub> )	( OD <sub>340nm</sub> )	Inhibition (%)	(µg/mL)
Rxn #25	C5	FTL Plate 9	G11	25	0.211	0.0624	0.550	69.5
Rxn #25	C6	FTL Plate 9	G11	10	0.308	0.0624	0.550	49.6
Rxn #25	C7	FTL Plate 9	G11	5	0.390	0.0624	0.550	32.8
Rxn #25	C8	FTL Plate 9	G11	1	0.497	0.0624	0.550	10.9
Rxn #25	C9	FTL Plate 9	G11	0.5	0.526	0.0624	0.550	4.9
Rxn #25	C10	FTL Plate 9	G11	0.1	0.548	0.0624	0.550	0.4
Rxn #25	B1	FTL Plate 9	E10	200	0.153	0.0624	0.550	81.4
Rxn #25	B2	FTL Plate 9	E10	150	0.141	0.0624	0.550	83.9
Rxn #25	B3	FTL Plate 9	E10	100	0.079	0.0624	0.550	96.6
Rxn #25	B4	FTL Plate 9	E10	50	0.153	0.0624	0.550	81.4
Rxn #25	B5	FTL Plate 9	E10	25	0.207	0.0624	0.550	70.3
Rxn #25	B6	FTL Plate 9	E10	10	0.313	0.0624	0.550	48.6
Rxn #25	B7	FTL Plate 9	E10	5	0.384	0.0624	0.550	34.0
Rxn #25	B8	FTL Plate 9	E10	1	0.498	0.0624	0.550	10.7
Rxn #25	B9	FTL Plate 9	E10	0.5	0.503	0.0624	0.550	9.6
Rxn #25	B10	FTL Plate 9	E10	0.1	0.548	0.0624	0.550	0.4
Rxn #25	D12	No Fructose Control			0.065	0.0624	0.550	99.5
Rxn #25	E12	No Fructose Control			0.057	0.0624	0.550	101.1
Rxn #25	F12	No Fructose Control			0.062	0.0624	0.550	100.1
Rxn #25	G12	No Fructose Control			0.062	0.0624	0.550	100.1
Rxn #25	H12	No Fructose Control			0.066	0.0624	0.550	99.3
Rxn #25	A11	Fructose Only Control			0.542	0.0624	0.550	1.6
Rxn #25	H11	Fructose Only Control			0.548	0.0624	0.550	0.4
Rxn #25	A12	Fructose Only Control			0.553	0.0624	0.550	-0.6
Rxn #25	B12	Fructose Only Control			0.556	0.0624	0.550	-1.2
Rxn #25	C12	Fructose Only Control			0.551	0.0624	0.550	-0.2
Rxn #27	A1	FTL Plate 23	G10	200	0.254	0.0660	0.514	58.0
Rxn #27	A2	FTL Plate 23	G10	150	0.279	0.0660	0.514	52.5
Rxn #27	A3	FTL Plate 23	G10	100	0.314	0.0660	0.514	44.6
Rxn #27	A4	FTL Plate 23	G10	50	0.369	0.0660	0.514	32.4
Rxn #27	A5	FTL Plate 23	G10	25	0.431	0.0660	0.514	18.5
Rxn #27	A6	FTL Plate 23	G10	10	0.489	0.0660	0.514	5.6
Rxn #27	A7	FTL Plate 23	G10	5	0.487	0.0660	0.514	6.0
Rxn #27	A8	FTL Plate 23	G10	1	0.508	0.0660	0.514	1.3
Rxn #27	A9	FTL Plate 23	G10	0.5	0.529	0.0660	0.514	-3.3
Rxn #27	A10	FTL Plate 23	G10	0.1	0.515	0.0660	0.514	-0.2
Rxn #27	C1	FTL Plate 23	F11	200	0.265	0.0660	0.514	55.6
Rxn #27	C2	FTL Plate 23	F11	150	0.297	0.0660	0.514	48.4
Rxn #27	C3	FTL Plate 23	F11	100	0.333	0.0660	0.514	40.4
Rxn #27	C4	FTL Plate 23	F11	50	0.383	0.0660	0.514	29.2
Rxn #27	C5	FTL Plate 23	F11	25	0.432	0.0660	0.514	18.3
Rxn #27	C6	FTL Plate 23	F11	10	0.478	0.0660	0.514	8.0
Rxn #27	C7	FTL Plate 23	F11	5	0.474	0.0660	0.514	8.9
Rxn #27	C8	FTL Plate 23	F11	1	0.503	0.0660	0.514	2.5
Rxn #27	C9	FTL Plate 23	F11	0.5	0.500	0.0660	0.514	3.1
Rxn #27	C10	FTL Plate 23	F11	0.1	0.489	0.0660	0.514	5.6
Rxn #27	B1	FTL Plate 23	B11	200	0.272	0.0660	0.514	54.0
Rxn #27	B2	FTL Plate 23	B11	150	0.299	0.0660	0.514	48.0
Rxn #27	B3	FTL Plate 23	B11	100	0.339	0.0660	0.514	39.1
Rxn #27	B4	FTL Plate 23	B11	50	0.408	0.0660	0.514	23.7
Rxn #27	B5	FTL Plate 23	B11	25	0.444	0.0660	0.514	15.6
Rxn #27	B6	FTL Plate 23	B11	10	0.481	0.0660	0.514	7.4
Rxn #27	B7	FTL Plate 23	B11	5	0.498	0.0660	0.514	3.6
Rxn #27	B8	FTL Plate 23	B11	1	0.507	0.0660	0.514	1.6
Rxn #27	B9	FTL Plate 23	B11	0.5	0.509	0.0660	0.514	1.1
Rxn #27	B10	FTL Plate 23	B11	0.1	0.506	0.0660	0.514	1.8
Rxn #27	F1	FTL Plate 4	G9	200	0.258	0.0660	0.514	57.1
Rxn #27	F2	FTL Plate 4	G9	150	0.283	0.0660	0.514	51.6
Rxn #27	F3	FTL Plate 4	G9	100	0.329	0.0660	0.514	41.3
Rxn #27	F4	FTL Plate 4	G9	50	0.371	0.0660	0.514	31.9
Rxn #27	F5	FTL Plate 4	G9	25	0.424	0.0660	0.514	20.1
Rxn #27	F6	FTL Plate 4	G9	10	0.481	0.0660	0.514	7.4
Rxn #27	F7	FTL Plate 4	G9	5	0.493	0.0660	0.514	4.7
Rxn #27	F8	FTL Plate 4	G9	1	0.495	0.0660	0.514	4.2
Rxn #27	F9	FTL Plate 4	G9	0.5	0.510	0.0660	0.514	0.9
Rxn #27	F10	FTL Plate 4	G9	0.1	0.507	0.0660	0.514	1.6
Rxn #27	E1	FTL Plate 7	C7	200	0.204	0.0660	0.514	69.2
Rxn #27	E2	FTL Plate 7	C7	150	0.302	0.0660	0.514	47.3
Rxn #27	E3	FTL Plate 7	C7	100	0.291	0.0660	0.514	49.8
Rxn #27	E4	FTL Plate 7	C7	50	0.348	0.0660	0.514	37.1
Rxn #27	E5	FTL Plate 7	C7	25	0.405	0.0660	0.514	24.3
Rxn #27	E6	FTL Plate 7	C7	10	0.476	0.0660	0.514	8.5

**S2 Table. Data from Titrations of Candidate Botanical Extracts for Inhibition of KHKC Activity.**

Rxn		Sample			Sample	Ave. No Fructose Controls	Ave. Fructose Only Controls	KHKC	*KHKC IC <sub>50</sub>
ID	Well	Botanical Plate	Well	Conc (µg/mL)	( OD <sub>340nm</sub> )	( OD <sub>340nm</sub> )	( OD <sub>340nm</sub> )	Inhibition (%)	(µg/mL)
Rxn #27	E7	FTL Plate 7	C7	5	0.481	0.0660	0.514	7.4	
Rxn #27	E8	FTL Plate 7	C7	1	0.501	0.0660	0.514	2.9	
Rxn #27	E9	FTL Plate 7	C7	0.5	0.510	0.0660	0.514	0.9	
Rxn #27	E10	FTL Plate 7	C7	0.1	0.507	0.0660	0.514	1.6	
Rxn #27	A12	No Fructose Control			0.075	0.0660	0.514	98.0	
Rxn #27	B12	No Fructose Control			0.065	0.0660	0.514	100.2	
Rxn #27	C12	No Fructose Control			0.066	0.0660	0.514	100.0	
Rxn #27	D12	No Fructose Control			0.068	0.0660	0.514	99.6	
Rxn #27	E12	No Fructose Control			0.064	0.0660	0.514	100.4	
Rxn #27	F12	No Fructose Control			0.059	0.0660	0.514	101.6	
Rxn #27	G12	No Fructose Control			0.063	0.0660	0.514	100.7	
Rxn #27	H12	No Fructose Control			0.068	0.0660	0.514	99.6	
Rxn #27	G1	Fructose Only Control			0.499	0.0660	0.514	3.3	
Rxn #27	H1	Fructose Only Control			0.513	0.0660	0.514	0.2	
Rxn #27	G2	Fructose Only Control			0.497	0.0660	0.514	3.8	
Rxn #27	H2	Fructose Only Control			0.514	0.0660	0.514	0.0	
Rxn #27	G3	Fructose Only Control			0.521	0.0660	0.514	-1.6	
Rxn #27	H3	Fructose Only Control			0.528	0.0660	0.514	-3.1	
Rxn #27	G4	Fructose Only Control			0.516	0.0660	0.514	-0.4	
Rxn #27	H4	Fructose Only Control			0.532	0.0660	0.514	-4.0	
Rxn #27	G5	Fructose Only Control			0.502	0.0660	0.514	2.7	
Rxn #27	H5	Fructose Only Control			0.513	0.0660	0.514	0.2	
Rxn #27	G6	Fructose Only Control			0.528	0.0660	0.514	-3.1	
Rxn #27	H6	Fructose Only Control			0.537	0.0660	0.514	-5.1	
Rxn #27	G7	Fructose Only Control			0.498	0.0660	0.514	3.6	
Rxn #27	H7	Fructose Only Control			0.512	0.0660	0.514	0.4	
Rxn #27	G8	Fructose Only Control			0.517	0.0660	0.514	-0.7	
Rxn #27	H8	Fructose Only Control			0.509	0.0660	0.514	1.1	
Rxn #27	G9	Fructose Only Control			0.509	0.0660	0.514	1.1	
Rxn #27	H9	Fructose Only Control			0.525	0.0660	0.514	-2.5	
Rxn #27	G10	Fructose Only Control			0.503	0.0660	0.514	2.5	
Rxn #27	H10	Fructose Only Control			0.516	0.0660	0.514	-0.4	
Rxn #27	A11	Fructose Only Control			0.509	0.0660	0.514	1.1	
Rxn #27	H11	Fructose Only Control			0.516	0.0660	0.514	-0.4	

FTL: functional target library; proprietary library of Amway Corp. IC<sub>50</sub>: half maximal inhibitory concentration. OD: optical density.

\*KHKC IC<sub>50</sub>s were calculated using nonlinear regression (three parameters) in GraphPad Prism 5.03. To generate a best fit, an upper concentration (10,000 µg/mL at 100% inhibition) and a lower concentration (0.001 µg/mL at 0% inhibition) were added.