

# Supplemental Information:

Table S1. Individual fluoxetine PK parameters.

Sub- ject	Seque- nce	Test product								Reference product							
		C <sub>max</sub>	AUC <sub>0-t</sub>	AUC <sub>0-∞</sub>	t <sub>max</sub>	t <sub>1/2</sub>	Vd	K <sub>el</sub>	CI	C <sub>max</sub>	AUC <sub>0-t</sub>	AUC <sub>0-∞</sub>	t <sub>max</sub>	t <sub>1/2</sub>	Vd	K <sub>el</sub>	CI
1	1	21.77	665.36	944.61	6.00	37.24	1137.47	0.02	21.17	19.24	678.45	915.85	3.00	35.89	1130.71	0.02	21.84
2	2	13.83	295.70	344.96	3.00	26.45	2212.10	0.03	57.98	10.85	274.78	316.33	3.00	24.91	2272.49	0.03	63.23
3	2	17.58	656.51	882.20	5.00	36.45	1192.09	0.02	22.67	20.99	628.97	809.15	5.00	32.38	1154.66	0.02	24.72
4	1	9.60	268.31	361.57	5.00	35.35	2820.70	0.02	55.31	7.68	230.55	329.15	6.00	44.26	3880.10	0.02	60.76
5	2	14.54	370.91	429.55	4.00	24.79	1665.08	0.03	46.56	18.03	396.11	457.89	2.00	27.19	1713.46	0.03	43.68
7	1	18.02	461.90	562.35	5.00	29.39	1507.97	0.02	35.57	16.44	389.05	449.17	5.00	25.29	1624.38	0.03	44.53
8	2	14.46	385.01	475.17	6.00	31.39	1905.91	0.02	42.09	15.68	345.59	437.44	4.00	34.23	2257.83	0.02	45.72
9	1	8.92	217.37	265.38	4.00	30.42	3307.49	0.02	75.36	8.63	210.89	255.81	6.00	30.14	3399.63	0.02	78.18
10	2	15.84	371.93	506.00	5.00	40.32	2299.01	0.02	39.53	12.85	345.33	470.59	5.00	39.05	2394.62	0.02	42.50
11	1	12.14	171.86	200.73	3.00	15.42	2216.11	0.04	99.64	7.42	157.33	171.14	4.00	19.25	3246.42	0.04	116.87
12	2	13.24	269.72	304.14	3.00	24.32	2307.71	0.03	65.76	14.23	239.53	310.17	4.00	22.37	2080.95	0.03	64.48
13	1	20.25	401.55	485.71	3.00	26.91	1598.54	0.03	41.18	17.03	440.02	538.13	3.00	30.46	1632.96	0.02	37.17
14	2	15.37	296.70	370.13	5.00	19.93	1553.58	0.03	54.04	11.81	168.42	341.88	5.00	22.76	1921.08	0.03	58.50
15	2	15.13	322.48	383.78	3.00	28.03	2107.47	0.02	52.11	15.79	301.81	335.49	2.00	23.03	1980.33	0.03	59.61
16	1	15.25	330.89	377.82	5.00	24.99	1908.07	0.03	52.93	16.05	338.47	386.55	5.00	24.58	1834.77	0.03	51.74
17	2	18.90	396.98	458.70	5.00	25.80	1623.06	0.03	43.60	16.69	353.78	403.83	5.00	24.87	1776.95	0.03	49.53
18	1	18.76	577.69	686.16	5.00	27.17	1142.58	0.03	29.15	22.77	624.48	762.94	6.00	28.19	1066.01	0.02	26.21
19	2	18.24	572.51	755.65	4.00	35.36	1350.17	0.02	26.47	23.17	583.59	699.92	3.00	28.05	1156.22	0.02	28.57
20	1	16.30	422.68	501.94	6.00	25.80	1482.84	0.03	39.85	16.15	377.00	466.07	5.00	33.07	2047.32	0.02	42.91
22	1	12.03	276.39	310.08	5.00	21.85	2032.89	0.03	64.50	13.21	304.94	345.39	5.00	22.54	1883.10	0.03	57.91
23	1	32.05	640.75	716.66	2.00	23.10	930.04	0.03	27.91	23.71	621.29	741.34	5.00	28.02	1090.50	0.02	26.98
24	2	12.80	345.82	445.73	6.00	34.77	2250.53	0.02	44.87	20.05	390.12	448.28	3.00	25.09	1614.66	0.03	44.61
25	1	24.13	957.96	2351.79	5.00	88.86	1090.16	0.01	8.50	22.73	930.62	2383.39	4.00	106.88	1293.86	0.01	8.39
26	2	10.79	202.34	224.70	3.00	23.03	2957.14	0.03	89.01	10.79	225.33	242.51	4.00	19.24	2289.59	0.04	82.47
Mean		16.25	411.64	556.06	4.42	30.71	1858.28	0.03	47.32	15.92	398.19	542.43	4.25	31.32	1947.61	0.03	49.21
Geometric mean		15.59	377.86	473.26	4.25	28.90	1761.90	0.02	42.26	15.12	360.06	457.47	4.07	29.02	1830.29	0.02	43.72

Standard deviation (S.D.)	5.02	184.05	429.46	1.18	13.78	619.84	0.01	21.32	4.89	189.55	436.65	1.19	17.21	732.91	0.01	22.98
Standard error of the mean (SEM)	1.02	37.57	87.66	0.24	2.81	126.52	0.00	4.35	1.00	38.69	89.13	0.24	3.51	149.61	0.00	4.69
Minimum	8.92	171.86	200.73	2.00	15.42	930.04	0.01	8.50	7.42	157.33	171.14	2.00	19.24	1066.01	0.01	8.39
Median	15.31	371.42	452.21	5.00	27.04	1785.49	0.03	44.24	16.10	349.68	442.86	4.50	27.60	1858.93	0.03	45.17
Maximum	32.05	957.96	2351.79	6.00	88.86	3307.49	0.04	99.64	23.71	930.62	2383.39	6.00	106.88	3880.10	0.04	116.87
Coefficient of variation (%)	30.90	44.70	77.20	26.60	44.90	33.40	28.30	45.10	30.70	47.60	80.50	28.00	55.00	37.60	26.10	46.70

Subjects IDs 6 and 21 dropped out from the bioequivalence trial.

**Table S2.** SNVs and demographic characteristics as predictor variables of PK parameters.

Models excluding demographic characteristics					Models including demographic characteristics				
Dependent variable	Predictor variables	Coefficient	R <sup>2</sup>	Adj. R <sup>2</sup>	Dependent variable	Predictor variables	Coefficient	R <sup>2</sup>	Adj. R <sup>2</sup>
AUC <sub>0-t</sub> (h*ng/mL)	Constant	-384.909	0.984	0.977	AUC <sub>0-t</sub> (h*ng/mL)	Constant	1407.983	0.984	0.978
	<i>ABCB1</i> (rs1128503)	-6.563				<i>ABCB1</i> (rs1045642)	-35.575		
	<i>CYP1A2</i> (rs2470890)	-33.751				<i>ABCB1</i> (rs1128503)	-5.932		
	<i>CYP1A2</i> (rs762551)	-18.890				<i>CYP1A2</i> (rs2069514)	-36.506		
	<i>CYP2C19</i> (rs4244285)	12.884				<i>CYP1A2</i> (rs2470890)	-22.919		
	<i>CYP2C9</i> (rs1799853)	26.770				<i>CYP2B6</i> (rs2279342)	-64.374		
	<i>CYP2C9</i> (rs28371686)	74.827				<i>CYP2C19</i> (rs4917623)	29.571		
	<i>CYP2D6</i> (rs1065852)	-55.760				<i>CYP2C9</i> (rs1799853)	-12.555		
	<i>CYP2D6</i> (rs1135840)	23.740				<i>CYP2D6</i> (rs1135840)	15.952		
	<i>CYP2D6</i> (rs28371703)	137.454				<i>CYP2D6</i> (rs28371703)	78.419		
	<i>CYP2D6</i> (rs28371706)	-118.191				<i>CYP3A4</i> (rs2687116)	-7.826		
	<i>CYP2D6</i> (rs72549358)	115.010				<i>CYP3A5</i> (rs776746)	-53.635		
	<i>CYP3A4</i> (rs2740574)	-126.951				Gender	-131.696		
	<i>CYP3A4</i> (rs3735451)	-29.337				Height (m)	-257.222		
	<i>SLC6A4</i> (rs1042173)	13.325				<i>TPH1</i> (rs1799913)	-20.761		
	<i>SLC6A4</i> (rs2066713)	16.080							
Cl (L/h)	Constant	567.486	0.980	0.969	Cl (L/h)	Constant	103.181	0.955	0.940
	<i>ABCB1</i> (rs2032582)	-1.280				<i>CYP1A2</i> (rs2470890)	3.452		
	<i>CYP1A2</i> (rs2470890)	5.436				<i>CYP2C19</i> (rs11188072)	3.238		
	<i>CYP2B6</i> (rs2279344)	-5.530				<i>CYP2C9</i> (rs28371686)	-3.142		
	<i>CYP2B6</i> (rs4803418)	1.582				<i>CYP2D6</i> (rs1065852)	6.809		
	<i>CYP2C19</i> (rs11188072)	2.272				<i>CYP2D6</i> (rs16947)	-6.315		
	<i>CYP2C19</i> (rs12769205)	5.584				<i>CYP2D6</i> (rs28371703)	-19.606		
	<i>CYP2C19</i> (rs4917623)	1.555				<i>CYP2D6</i> (rs28371706)	19.316		
	<i>CYP2C9</i> (rs1799853)	-4.696				<i>CYP3A4</i> (rs2242480)	-3.734		
	<i>CYP2C9</i> (rs2256871)	4.406				<i>CYP3A5</i> (rs776746)	6.012		

	<i>CYP2C9</i> (rs28371686)	-9.384			<i>Age</i> (Years)	-0.520
	<i>CYP2D6</i> (rs16947)	-3.932			<i>Gender</i>	20.301
	<i>CYP2D6</i> (rs28371703)	-19.079			<i>SLC6A4</i> (rs1042173)	-2.145
	<i>CYP2D6</i> (rs28371706)	26.620				
	<i>CYP3A4</i> (rs67666821)	-45.090				
	<i>SLC6A4</i> (rs1042173)	-5.815				
	<i>SLC6A4</i> (rs2066713)	-1.428				
t <sub>1/2</sub> (h)	Constant	-1.100	0.935	0.924		
	<i>CYP2B6</i> (rs35303484)	3.229				
	<i>CYP2C9</i> (rs2256871)	10.096				
	<i>CYP2D6</i> (rs1065852)	-13.304				
	<i>CYP2D6</i> (rs28371703)	15.256				
	<i>CYP2D6</i> (rs28371706)	-13.635				
	<i>CYP3A4</i> (rs2740574)	9.739				
	<i>TPH1</i> (rs1799913)	-0.696				

Only significant models are shown ( $p < 0.000$ ) with significant predictor variables ( $p < 0.05$ )