

1 **Supporting File of Effect of the carrier material, drying technology and dissolution media**
2 **on the viability of *Lactobacillus fermentum* K73 during simulated gastrointestinal transit**
3 Stephania Aragón-Rojas^a, Alan J. Hernández-Álvarez^b, Isabelle Mainville^c, Yves Arcand^{b*}, María
4 X. Quintanilla-Carvajal^{a*}

5

6 **Table 1.** Parameter estimates with the Whiting and Buchanan model for the behaviour of
7 *Lactobacillus fermentum* K73 in the IViDiS *in vitro* digestion system and regression analysis
8 results.

Beverage	System ^a	Parameter estimates ^b				Regression analysis ^c					
		<i>L</i> (s)	F	b	c	Bf	Af	SS	RMSE	<i>R</i> ²	Adjusted <i>R</i> ²
Stomach	Water	SDWO	859.188	0.006	0.00026	0.004	1.017	1.025	0.011	0.017	0.999
		SDWM	700.000	3.17E-06	0.000	0.017	0.985	1.021	0.012	0.038	0.999
		FDWO	995.331	0.030	0.001	0.004	1.062	1.075	0.135	0.029	0.999
		FDWM	1,000.552	0.059	1.99E-04	1.99E-04	1.188	1.235	0.386	0.165	0.965
	Milk	SDWO	4,200.000	3.400	0.008	2.00E-04	0.806	1.239	2.276	0.022	0.822
		SDWM	3,236.210	0.031	0.00017	0.004	0.462	2.162	0.239	0.104	0.941
		FDWO	3,236.210	0.000	0.001	0.002	1.130	1.334	1.249	0.090	0.971
		FDWM	1,400.000	0.006	0.001	0.001	1.118	1.118	0.230	0.038	0.997
	Duodenum	SDWO	3,039.660	0.235	9.05E-04	0.0130	1.012	1.152	0.273	0.203	0.726
		SDWM	-	-	-	-	-	-	-	-	-
		FDWO	953.720	221.285	0.002	0.082	1.101	1.186	0.591	0.122	0.978
		FDWM	1,039.614	21.681	0.0018	0.008	0.848	1.183	0.931	0.629	0.911
		Milk	SDWO	6,839.000	0.387	-2.30E-04	8.00E-05	0.995	1.025	0.011	0.017
		SDWM	10,000.000	0.189	0.002	0.0017	0.415	2.412	19.410	0.357	0.713
		FDWO	7,604.882	0.000	2.58E-04	6.77E-04	0.965	1.110	0.153	0.018	0.972
		FDWM	1,397.700	0.150	-3.00E-04	0.000	0.131	7.612	30.475	0.430	0.810

9 ^a SDWO, spray-dried without carrier material; SDWM, spray-dried with carrier material; FDWO, freeze-dried without carrier material; FDWM,
10 freeze-dried with carrier material.

11 ^b *L*, lag phase; F, *F*-statistic; b, inactivation rate of the major population group; c, inactivation rate of the minor population group; -, not examined.

12 ^c Bf, bias factor; Af, accuracy factor; SS, sum of squares; RMSE, root mean square error; *R*², correlation coefficient; -, not examined.