'cut and shift' vs 'weight=0'

Table: transit times τ_D after new vs old correction method in simulated fluorescence traces[1]

type of processing	fit	simulated τ_D[ms]	163	141	113	56	28	19	11.3	3.76
		log 10% tol.	**98-272**	**86-231**	**70-181**	**38-84**	**20-39**	**14-25**	**8.8-14.4**	**3.29-4.29**
control: no correction	1 species		58.92	142.83	80.93	145.00	27.55	54.11	110.39	287.87
	2 - fast sp.		15.85	70.02	12.82	53.66	13.17	16.68	47.23	16.59
	2 - slow sp.		229.90	445.84	138.39	446.38	383.01	424.67	284.90	643.73
new method: cut and shift	1 species		161.43	130.03	100.67	53.11	26.25	17.43	11.52	3.62
	2 - fast sp.		120.86	4.33	100.67	0.00	0.01	17.43	11.52	3.62
	2 - slow sp.		429.73	131.89	100.68	53.11	26.34			3.62
old method: weight=0	1 species		383.41	253.55	293.12	301.92	287.00	143.32	142.88	362.80
	2 - fast sp.		28.66	45.97	36.14	44.09	19.30	10.94	34.31	20.37
	2 - slow sp.		819.05	1158.57	723.50	1733.81	747.77	211.09	1041.96	775.82

[1] Green = inside tolerance range. Orange = outside tolerance range. Simulated large cluster speeds: $1127ms, 113ms, 11ms$.