Table 1: Experimental results PEX5 data. τ_D in ms. For 1 species fit, $N = N(FCS)$. For 2 species fit, $N^{sp} = A^{sp} * N(FCS)$ and τ_D is sorted in fast and slow. If $A^{sp} = 100\%$, only display the corresponding τ_D and N values

type of processing	artifact fit	Hs-PEX5-eGFP		Tb-PEX5-eGFP	
no correction	1	$\tau_D = 0.36$	$N = 1.1$	$\tau_D = 0.52$	$N = 0.8$
	2	$\tau_D^{fast} = 0.36$	$N^{fast} = 0.1$	$\tau_D^{fast} = 0.45$	$N^{fast} = 0.2$
		$\tau_D^{slow} = 0.36$	$N^{slow} = 0.1$	$\tau_D^{slow} = 13.44$	$N^{slow} = 0.0$
ff67b	1	$\tau_D = 0.23$	$N = 2.1$	$\tau_D = 0.28$	$N = 1.5$
	2	$\tau_D^{fast} = 0.21$	$N^{fast} = 0.5$	$\tau_D^{fast} = 0.24$	$N^{fast} = 0.4$
		$\tau_D^{slow} = 86.83$	$N^{slow} = 0.0$	$\tau_D^{slow} = 31.23$	$N^{slow} = 0.0$
34766	1	$\tau_D = 0.39$	$N = 3.6$	$\tau_D = 1.12$	$N = 4.1$
	2	$\tau_D^{fast} = 0.05$	$N^{fast} = 0.0$	$\tau_D^{fast} = 0.04$	$N^{fast} = 0.0$
		$\tau_D^{slow} = 6.32$	$N^{slow} = 0.0$	$\tau_D^{slow} = 7.78$	$N^{slow} = 0.0$
714af	1	$\tau_D = 0.25$	$N = 2.8$	$\tau_D = 0.37$	$N = 2.2$
	2	$\tau_D^{fast} = 0.15$	$N^{fast} = 0.6$	$\tau_D^{fast} = 0.13$	$N^{fast} = 0.4$
		$\tau_D^{slow} = 11.84$	$N^{slow} = 0.1$	$\tau_D^{slow} = 3.61$	$N^{slow} = 0.1$
34a6d	1	$\tau_D = 0.39$	$N = 3.7$	$\tau_D = 1.62$	$N = 4.2$
	2	$\tau_D^{fast} = 591.08$	$N^{fast} = 1.9$	$\tau_D^{fast} = 0.00$	$N^{fast} = 0.7$
				$\tau_D^{slow} = 1.29$	$N^{slow} = 0.5$
484af	1	$\tau_D = 0.26$	$N = 1.9$	$\tau_D = 0.24$	$N = 2.1$
	2	$\tau_D^{fast} = 0.23$	$N^{fast} = 0.4$	$\tau_D^{fast} = 0.20$	$N^{fast} = 0.5$
		$\tau_D^{slow} = 73.45$	$N^{slow} = 0.0$	$\tau_D^{slow} = 63.57$	$N^{slow} = 0.0$
0cd20	1	$\tau_D = 0.32$	$N = 1.1$	$\tau_D = 0.33$	$N = 1.0$
	2	$\tau_D^{fast} = 0.32$	$N^{fast} = 0.2$	$\tau_D^{fast} = 0.33$	$N^{fast} = 0.2$
fe81d	1	$\tau_D = 0.27$	$N = 1.6$	$\tau_D = 0.24$	$N = 1.7$
	2	$\tau_D^{fast} = 0.25$	$N^{fast} = 0.3$	$\tau_D^{fast} = 0.22$	$N^{fast} = 0.4$
		$\tau_D^{slow} = 177.40$	$N^{slow} = 0.0$	$\tau_D^{slow} = 133.87$	$N^{slow} = 0.0$
19e3e	1	$\tau_D = 0.25$	$N = 2.0$	$\tau_D = 0.24$	$N = 2.2$
	2	$\tau_D^{fast} = 0.23$	$N^{fast} = 0.4$	$\tau_D^{fast} = 0.20$	$N^{fast} = 0.5$
		$\tau_D^{slow} = 146.64$	$N^{slow} = 0.0$	$\tau_D^{slow} = 78.29$	$N^{slow} = 0.0$
c1204	1	$\tau_D = 2.69$	$N = 5.5$	$\tau_D = 7.60$	$N = 6.1$
	2	$\tau_D^{fast} = 2.35$	$N^{fast} = 3.0$	$\tau_D^{fast} = 0.00$	$N^{fast} = 1.1$
		$\tau_D^{slow} = 2000.00$	$N^{slow} = 0.8$	$\tau_D^{slow} = 6.86$	$N^{slow} = 0.6$