S3 Table. Individual sperm agent parameters.

Parameter	Distribution		Description
v_s^{avg}	$\mathcal{N}(\mu, \sigma^2)$	$\mu = P_{v_s}^{avg}$, $\sigma = P_{v_s}^{avg}$	Average speed of individual agent
v_s^{SD}	-	$v_s^{SD} = v_s^{avg} 10^{-1}$	Standard deviation of speed of individual agent
θ_s^{avg}	-	0	Average angle of individual agent
θ_s^{SD}	$\mathcal{U}(a, b)$	$a = P_{\theta_s}^{min}$, $b = P_{\theta_s}^{max}$	Standard deviation of angle of individual agent
τ_{ls}	$\mathcal{N}(\mu, \sigma^2)$	$\mu = P_{\tau_{ls}}^{avg}$, $\sigma = P_{\tau_{ls}}^{SD}$	Lifetime of individual agent
l_s	$\mathcal{N}(\mu, \sigma^2)$	$\mu = P_{l_s}^{avg}$, $\sigma = P_{l_s}^{SD}$	Length of individual agent