

This portfolio summarizes reproducible, system-level CPUD and tomography metrics across representative quantum and biological systems. Data reflects multi-hop fidelity, Δ Purity, and exponential decay trends, providing a clear view of scaling and taxonomy.

System	Hops	CPUD Epsilon	Hop 1	Hop 2	Hop 3	Exponential Fit (CPUD / Tomo)	Aggregate Fidelity Diff (CPUD - Tomo)
Transmon Qubit	3	0.1	Fid:	Fid:	Fid:	a_cpud=-6.08e-9,	0.4486
			0.9583	0.9583	0.9583	a_tomo=-0.261	
			Δ Pur:	Δ Pur:	Δ Pur:		
			0.3343	0.4748	0.4748		
FMO Complex (Bio)	3	0.0	Fid:	Fid:	Fid:	a_cpud=0.3234,	-0.00026
			0.3180	0.2034	0.1771	a_tomo=0.3228	
			Δ Pur:	Δ Pur:	Δ Pur:		
			0.3312	0.1829	0.1460		
Radical Pair (Bio)	3	0.0	Fid:	Fid:	Fid:	a_cpud=0.5248,	0.00054
			0.3039	0.1530	0.1233	a_tomo=0.5181	
			Δ Pur:	Δ Pur:	Δ Pur:		
			0.3346	0.1461	0.1050		
Topological Qubit (Majorana)	3	0.01	Fid:	Fid:	Fid:	a_cpud=-0.1773,	0.3446
			0.6575	0.8408	0.9515	a_tomo=-0.2837	
			Δ Pur:	Δ Pur:	Δ Pur:		
			0.3230	0.4386	0.4661		



