

Table S2. Pairwise comparison of eight class III CoA-transferase superfamily members.^a

	ACOCT	Unknown	CaiB	Racemase		FCOCT		
UniProt PDB entry	P76518 4hl6	Q8G0K8 4ed9	O06543 1x74	O53867 2g04	P31572 1xk7	O06644 1p5h	A9X6P7 3ubm	P69902 1pt7
4hl6	–	56.8	43.4	44.1	39.5	49.3	49	49.5
4ed9	38.3	–	45.3	42	42.7	47.3	49	50.7
1x74	25.6	30.4	–	74.4	42	41.1	43.8	44.1
2g04	27.3	29.2	58.1	–	39.8	41.7	43.8	42.9
1xk7	22.5	25.1	24.2	22.2	–	40.1	42.3	42.5
1p5h	30.7	29.1	25.1	23.3	23.0	–	73.8	75.4
3ubm	31.2	29.0	26.2	25.6	25.8	58.5	–	84
1pt7	31.0	30.3	25.1	24.5	24.3	60.2	70.7	–

^a Pairwise percentage identities (bold font, below the diagonal) and similarities (normal font, above the diagonal) in the structure-based sequence alignment (Figure S6).