

**Supplementary Table 3 — Similar and putatively homologous tRNA gene cluster variant groups of length at least three spanning both *Leishmania* (L) and *Trypanosoma* (T) genera genomes. Only groups 1, 3 and 4 contain five gene cluster variants conserved in both genera, namely, ASD, DSA, LXP (two variants), and QLI, where “X” represents the initiator iMet tRNA gene.**

Group	Gene Cluster Variant / Strandedness	Frequency	Clade
1	ARF / -- +	10	T
1	FRA / - + +	5	T
1	RRA / -- +	19	L
1	EARR / -- + +	2	L
2	ASD / -- +	8	L, T
2	DSA / - + +	35	L, T
3	FEV / -- +	5	T
3	HEF / + + +	6	T
3	VEF / - + +	7	T
3	VHF / + + -	15	L
3	EVRH / -- + +	21	L
4	IQL / - + +	7	T
4	LQI / -- +	6	T
4	QLI / + - +	19	L, T
4	ILQQI / + - - + +	3	T
5	LXP / -- +	11	L, T
5	LXP / + - +	5	L, T
5	PXL / - + +	6	T
5	CLXP / + - - +	16	L
6	NTP / -- +	2	T
6	PTN / - + +	8	T
6	NPTYN / -- + + +	8	L
6	NYTPN / -- - + +	14	L
7	VLM / -- -	5	T
7	SLMIV / - + - - +	3	L
7	VIMLS / - + + - +	18	L
8	GLTR / + + - +	6	T
8	IQVKGLTRKR / - + + + - - + + -	7	T
8	IVQRLTRKGW / + - - - - + + - +	18	L
8	RKRTLGVQI / + - - + + - - - +	3	T