

Probable pattern of taxonomic assignment of sequences that originate from genomic regions involved in lateral gene transfer events. The table attempts to summarize the taxonomic assignment patterns of such sequences based on their origin, as well as, the presence/absence of fragments corresponding to the donor/recipient genomes in the reference database.

Source genome from where the query sequence has originated	Presence (P) or Absence (A) of donor or recipient genomes fragments/models in reference database		Probable assignment pattern using	
	Donor genome	Recipient genome	INDUS	'One-genome one-composition' model based approaches
Donor genome	P	P	Higher level taxon (Correct but non-specific)	Donor genome (Correct and specific)
	P	A	Donor (Correct and specific)	Donor (Correct and specific)
	A	P	Recipient (Incorrect)	Unassigned
Recipient genome	P	P	Higher level taxon (Correct but non-specific)	Donor (Incorrect)
	A	P	Recipient (Correct and specific)	Unassigned
	P	A	Donor (Incorrect)	Donor (Incorrect)