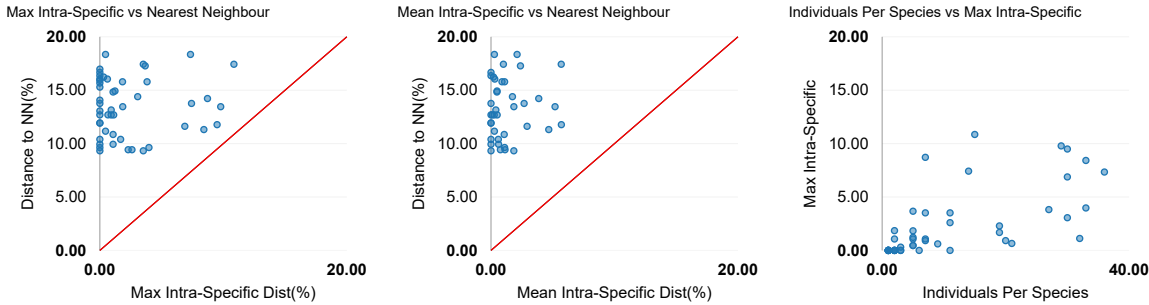


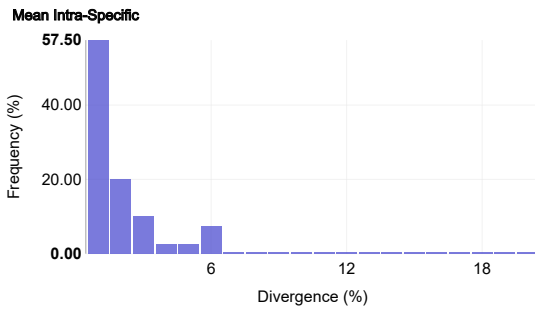
# Barcode Gap Analysis Result - LPRCE (527 records selected)

## Scatter Plots

Three scatterplots are provided to confirm the existence and magnitude of the Barcode Gap. The first two scatterplots show the overlap of the max and mean intra-specific distances vs the inter-specific (nearest neighbour) distances. The third scatterplot plots the number of individuals in each species against their max intra-specific distances, as a test for sampling bias.

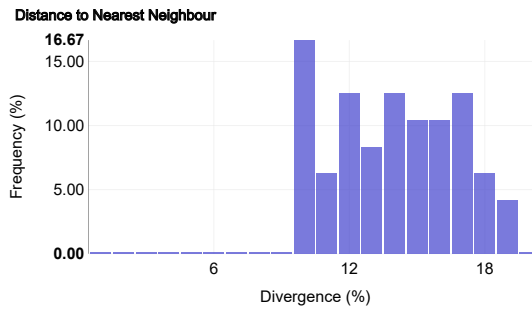


## Distance Distribution Histograms



### Distribution Details

Min: 0 Mean: 1.09  
Max: 0 SE: 0.03



### Distribution Details

Min: 9.33 Mean: 13.49  
Max: 18.35 SE: 0.06

## Details for Species Comparisons

Show Warnings Only

For each species, the mean and maximum intra-specific values are compared to the nearest neighbour distance in the table below. Where the species is a singleton, N/A is displayed for intra-specific values. Distances are highlighted if the nearest neighbour is less than 2% divergent, or when the distance to the nearest neighbour is less than the max intra-specific distance. Toggle the "Show Warnings Only" button to show only highlighted records.

Order	Family	Species	Mean Intra-Sp <a href="#">[i]</a>	Max Intra-Sp <a href="#">[i]</a>	Nearest Neighbour	Nearest Species	Distance to NN <a href="#">[i]</a>
Haplotaxida	Acanthodrilidae	Microscolex dubius	0.28	0.46	LPRCE378-21	Diporodrilus pilosus L1	18.35
Haplotaxida	Hormogastridae	Hormogaster insularis	0.31	0.61	LPRCE294-21	Aporrectodea trapezoides	16.04
Haplotaxida	Hormogastridae	Hormogaster samnitica L1	0.39	0.92	LPRCE097-21	Hormogaster samnitica L3	13.15
Haplotaxida	Hormogastridae	Hormogaster samnitica L2	0	0	LPRCE097-21	Hormogaster samnitica L3	11.93
Haplotaxida	Hormogastridae	Hormogaster samnitica L3	0	0	LPRCE219-21	Hormogaster samnitica L2	11.93
Haplotaxida	Hormogastridae	Octodrilus transpadanoides	1.1	1.83	LPRCE486-21	Octodrilus complanatus	15.79
Haplotaxida	Lumbricidae	Allolobophora chlorotica L5A	N/A	0	LPRCE522-21	Allolobophora chlorotica L5B	9.63
Haplotaxida	Lumbricidae	Allolobophora chlorotica L5B	1.1	3.98	LPRCE074-21	Allolobophora chlorotica L5A	9.63
Haplotaxida	Lumbricidae	Allolobophora cupulifera	N/A	0	LPRCE294-21	Aporrectodea trapezoides	16.04
Haplotaxida	Lumbricidae	Aporrectodea caliginosa L1	N/A	0	LPRCE294-21	Aporrectodea trapezoides	13.06
Haplotaxida	Lumbricidae	Aporrectodea caliginosa L2	0.5	0.92	LPRCE294-21	Aporrectodea trapezoides	12.69
Haplotaxida	Lumbricidae	Aporrectodea rosea L1	N/A	0	LPRCE327-21	Aporrectodea rosea L2	14.07
Haplotaxida	Lumbricidae	Aporrectodea rosea L2	0	0	LPRCE266-21	Aporrectodea rosea L3	13.76
Haplotaxida	Lumbricidae	Aporrectodea rosea L3	2.68	7.42	LPRCE327-21	Aporrectodea rosea L2	13.76
Haplotaxida	Lumbricidae	Aporrectodea trapezoides	0.26	1.12	LPRCE316-21	Aporrectodea caliginosa L2	12.69

Haplotaxida	Lumbricidae	Bimastos eiseni	N/A	0	LPRCE095-21	Scherotheca corsicana L4	15.29
Haplotaxida	Lumbricidae	Bimastos rubidus	N/A	0	LPRCE294-21	Aporrectodea trapezoides	15.67
Haplotaxida	Lumbricidae	Dendrobaena pantaleonensis	1	3.52	LPRCE426-21	Proctodrilus antipai	17.43
Haplotaxida	Lumbricidae	Diporodrilus omodeoi L1	N/A	0	LPRCE200-21	Diporodrilus omodeoi L2	15.93
Haplotaxida	Lumbricidae	Diporodrilus omodeoi L2	1.74	3.06	LPRCE219-21	Hormogaster samnitica L2	14.4
Haplotaxida	Lumbricidae	Diporodrilus pilosus L1	0.2	0.31	LPRCE200-21	Diporodrilus omodeoi L2	16.23
Haplotaxida	Lumbricidae	Diporodrilus pilosus L2	0	0	LPRCE378-21	Diporodrilus pilosus L1	16.67
Haplotaxida	Lumbricidae	Diporodrilus pilosus L3	0.48	1.07	LPRCE470-21	Diporodrilus omodeoi L2	14.83
Haplotaxida	Lumbricidae	Eisenia andrei	0.49	1.22	LPRCE294-21	Aporrectodea trapezoides	14.93
Haplotaxida	Lumbricidae	Eiseniella tetraedra	5.69	10.86	LPRCE397-21	Proctodrilus antipai	17.43
Haplotaxida	Lumbricidae	Eumenescolex emiliae L1	0.76	2.29	LPRCE439-21	Eumenescolex emiliae L2	9.43
Haplotaxida	Lumbricidae	Eumenescolex emiliae L2	1.13	2.6	LPRCE169-21	Eumenescolex emiliae L1	9.43
Haplotaxida	Lumbricidae	Lumbricus castaneus	2.11	7.34	LPRCE205-21	Proctodrilus antipai	18.35
Haplotaxida	Lumbricidae	Lumbricus terrestris	2.39	3.67	LPRCE528-21	Aporrectodea caliginosa L2	17.28
Haplotaxida	Lumbricidae	Octodriloides sp.	N/A	0	LPRCE062-21	Octodrilus hemiandrus	16.97
Haplotaxida	Lumbricidae	Octodrilus complanatus	0.89	3.82	LPRCE306-21	Octodrilus transpadanoides	15.79
Haplotaxida	Lumbricidae	Octodrilus hemiandrus	0	0	LPRCE306-21	Octodrilus transpadanoides	16.36
Haplotaxida	Lumbricidae	Octolasion cyaneum	0	0	LPRCE134-21	Octolasion lacteum	10.4
Haplotaxida	Lumbricidae	Octolasion lacteum	0.6	1.68	LPRCE015-21	Octolasion cyaneum	10.4
Haplotaxida	Lumbricidae	Octolasion tyrtaeum	1.85	1.85	LPRCE015-21	Octolasion cyaneum	13.46
Haplotaxida	Lumbricidae	Proctodrilus antipai	5.19	9.79	LPRCE194-21	Scherotheca corsicana L2	13.46
Haplotaxida	Lumbricidae	Scherotheca albomaculata	3.87	8.72	LPRCE007-21	Scherotheca portonana L3	14.22
Haplotaxida	Lumbricidae	Scherotheca brevisella	4.68	8.42	LPRCE354-21	Scherotheca portonana L2	11.31
Haplotaxida	Lumbricidae	Scherotheca corsicana L1	0	0	LPRCE286-21	Scherotheca corsicana L5	9.94
Haplotaxida	Lumbricidae	Scherotheca corsicana L2	5.7	9.49	LPRCE171-21	Eumenescolex emiliae L1	11.77
Haplotaxida	Lumbricidae	Scherotheca corsicana L3	0.28	0.46	LPRCE354-21	Scherotheca portonana L2	11.16
Haplotaxida	Lumbricidae	Scherotheca corsicana L4	0	0	LPRCE361-21	Scherotheca portonana L2	9.33
Haplotaxida	Lumbricidae	Scherotheca corsicana L5	0.61	1.07	LPRCE017-21	Scherotheca corsicana L1	9.94
Haplotaxida	Lumbricidae	Scherotheca corsicana L6	2.92	6.88	LPRCE439-21	Eumenescolex emiliae L2	11.62
Haplotaxida	Lumbricidae	Scherotheca portonana L1	1.07	1.07	LPRCE361-21	Scherotheca portonana L2	10.86
Haplotaxida	Lumbricidae	Scherotheca portonana L2	1.85	3.52	LPRCE095-21	Scherotheca corsicana L4	9.33
Haplotaxida	Lumbricidae	Scherotheca portonana L3	0	0	LPRCE023-21	Scherotheca portonana L4	12.69
Haplotaxida	Lumbricidae	Scherotheca portonana L4	0.1	0.65	LPRCE007-21	Scherotheca portonana L3	12.69

## Analysis description



The Barcode Gap Analysis provides the distribution of distances within each species and the distance to the nearest neighbour of each species. Species are tested for the presence of the Barcode Gap.

**Distance Model:** Pairwise Distance

**Marker:** COI-5P

**Deletion Method:** Pairwise Deletion

**Minimum Complete Columns:** 0

**Alignment:** BOLD Aligner (Amino Acid based HMM)

**Filters Applied:** ≥ 200bp only

Filter Summary

Data Summary

