

Performance Comparison Across Benchmarks: The table compares the performance of BioCLIP (trained only on the iNaturalist 2021 dataset) against ArborCLIP (trained from the BioCLIP checkpoint, which was originally trained on the TreeOfLife dataset). The metrics presented are Top-1 Accuracy and Top-5 Accuracy, with confidence intervals (\pm indicates 95% confidence interval).

Benchmark	BioCLIP (iNat21) Top-1 Accuracy	BioCLIP (iNat21) Top-5 Accuracy	ArborCLIP from BioCLIP (TreeOfLife) Top-1 Accuracy	ArborCLIP from BioCLIP (TreeOfLife) Top-5 Accuracy
Arboretum Unseen	0.2100	0.3470	0.5380	0.8220
Fungi	0.4420	0.7550	0.5390	0.7590
Life-Stages	0.2867	0.8617	0.1500	0.8600
DeepWeeds	0.2057	0.6897	0.1840	0.5740
Insects-2	0.0103	0.0483	0.1690	0.5710
Birds-525	0.5030	0.6330	0.5710	0.7540
BioCLIP-Rare	0.1490	0.2790	0.2370	0.7600
Arboretum Balanced	0.5020	0.6450	0.5180	0.6610