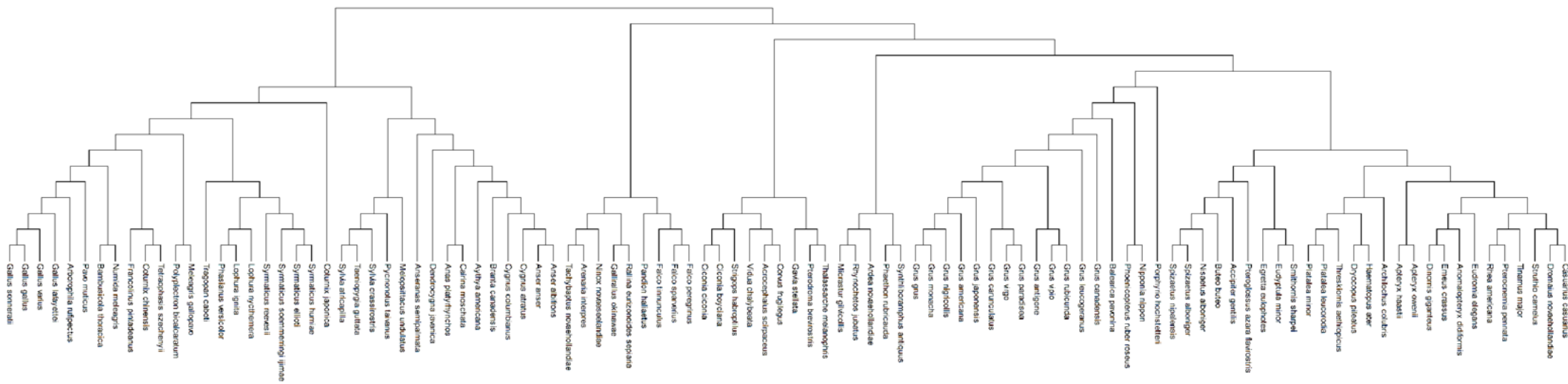


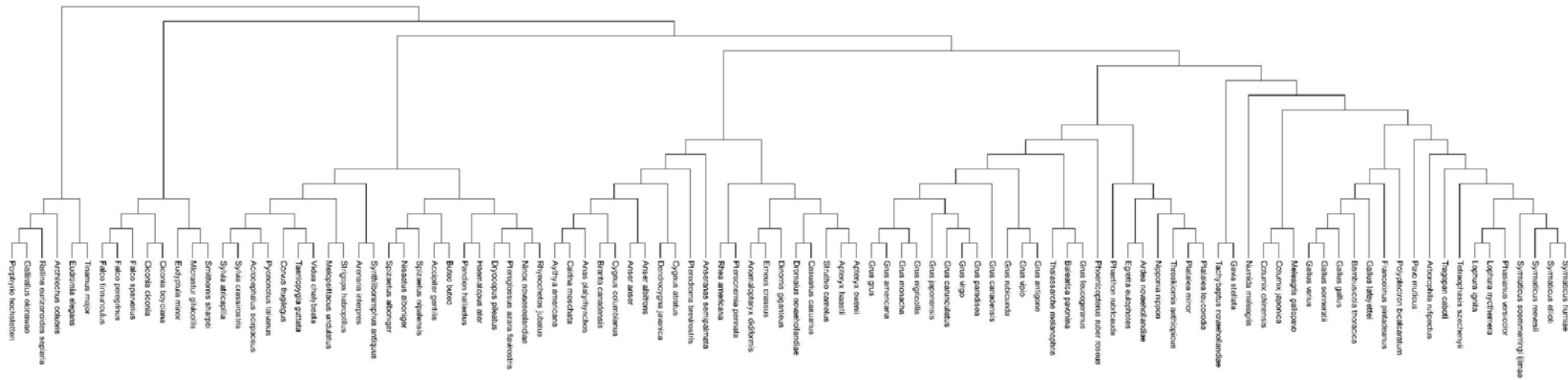
### Phylogenetic reconstruction using 100 bp and 450 bp segments

[illegible]

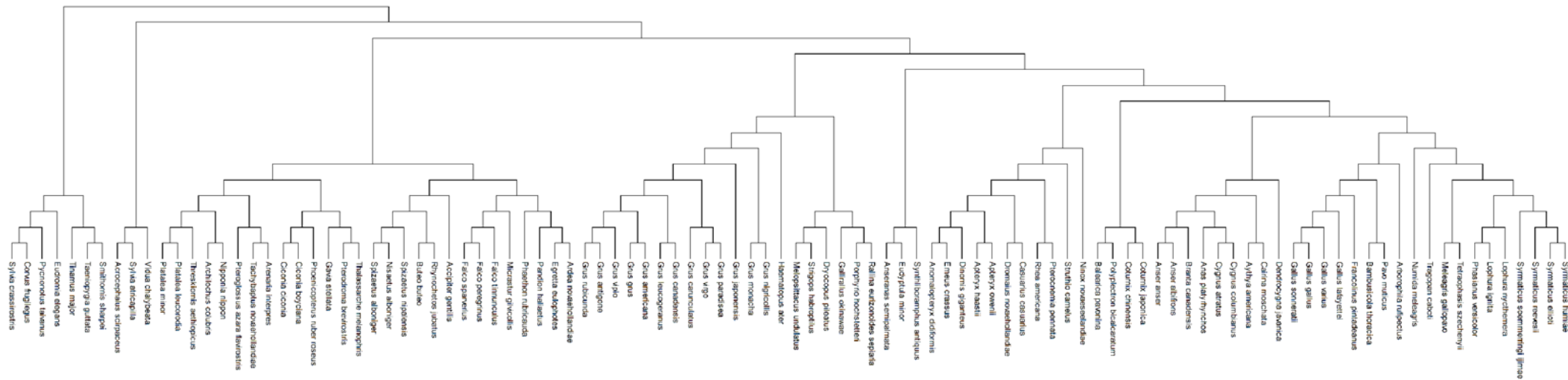
226



**Figure C.2: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 101-200**

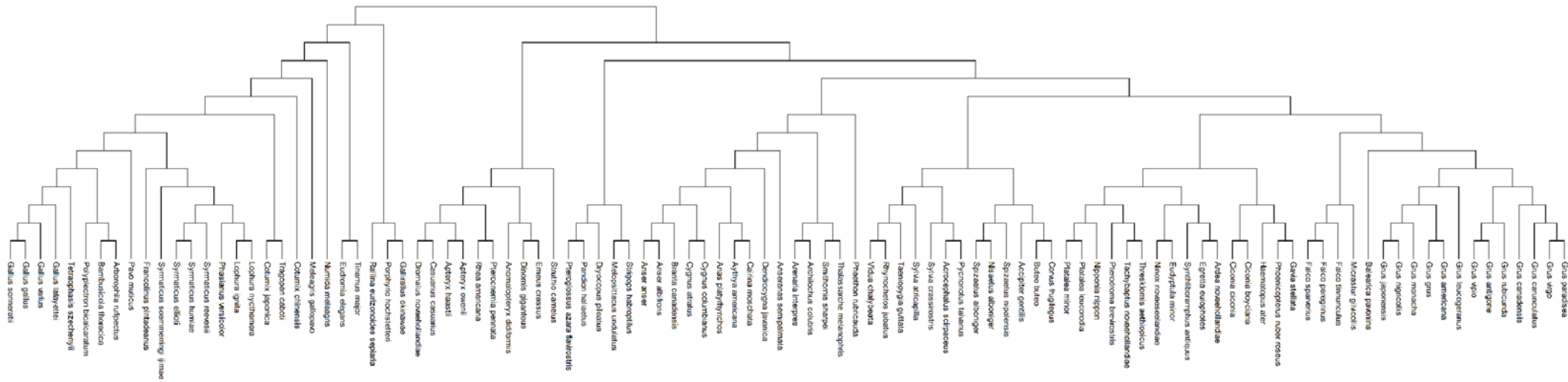


**Figure C.3: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 201-300**

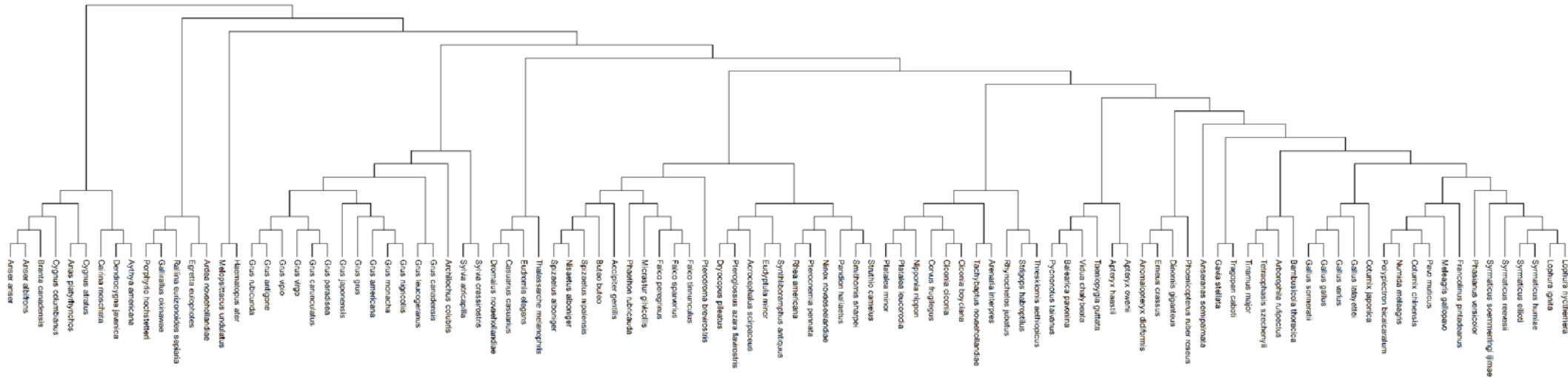


**Figure C.4: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 301-400**

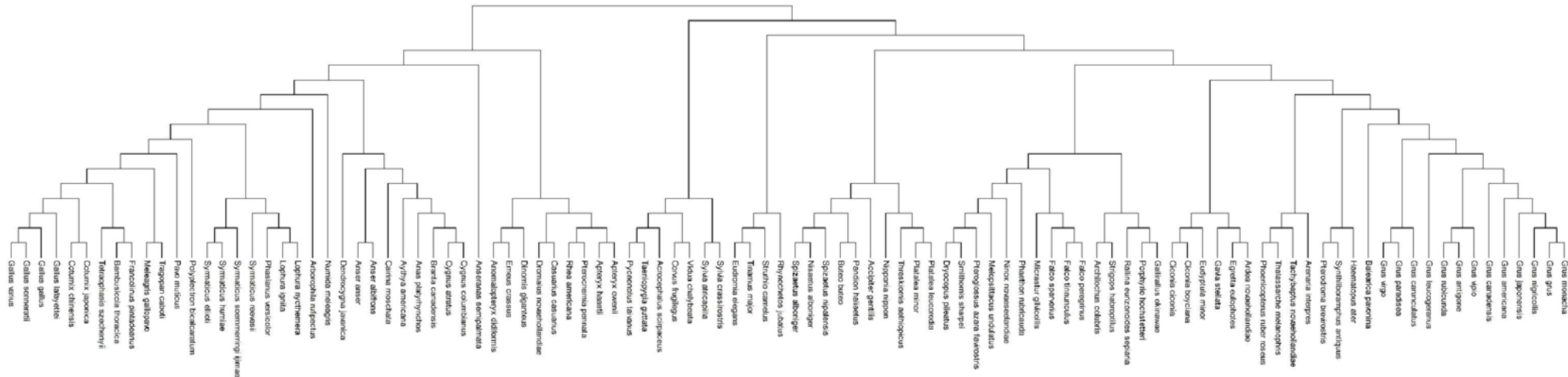




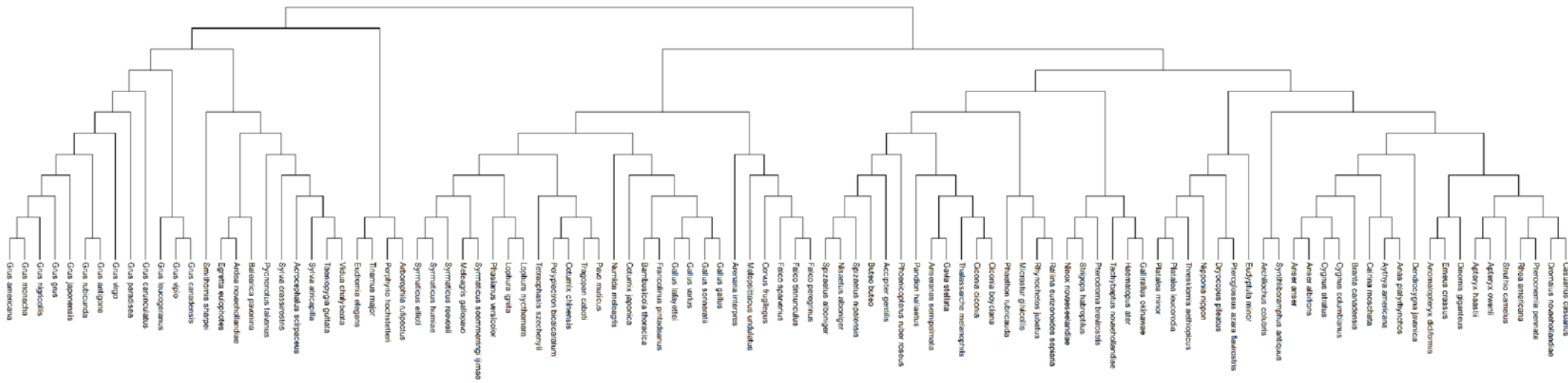
**Figure C.5: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 401-500**



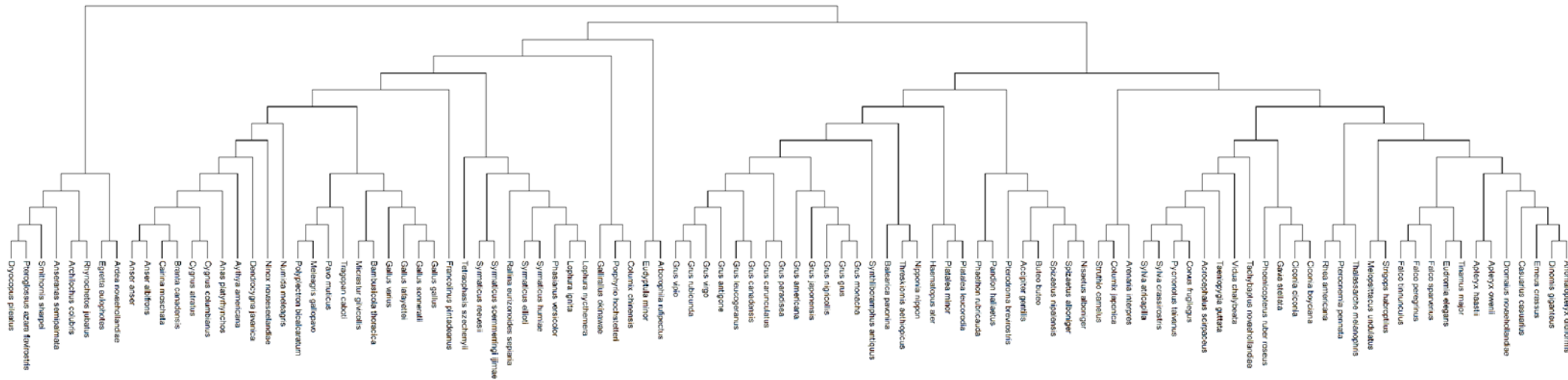
**Figure C.6: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 501-600**



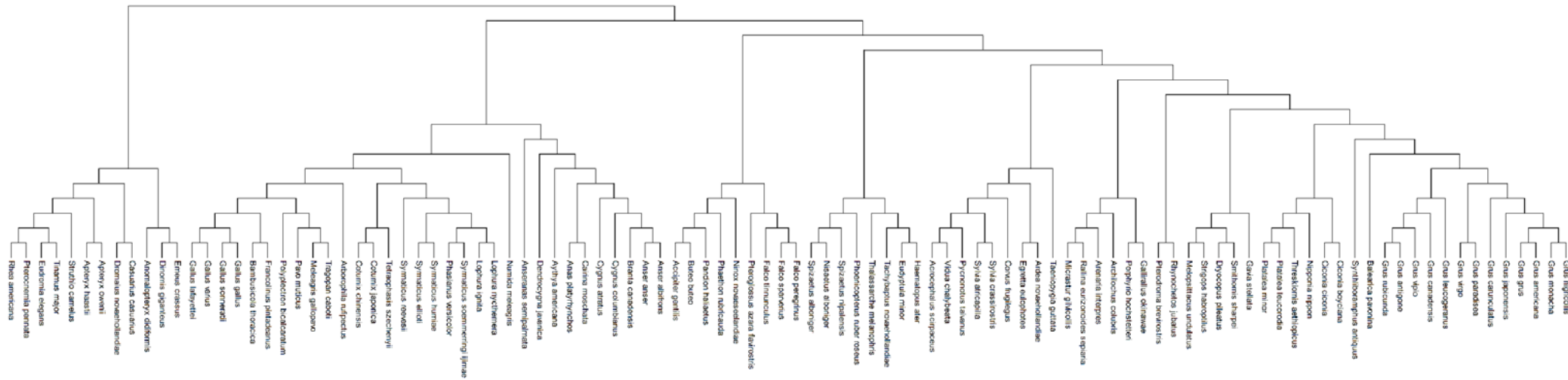
**Figure C.7: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 601-700**



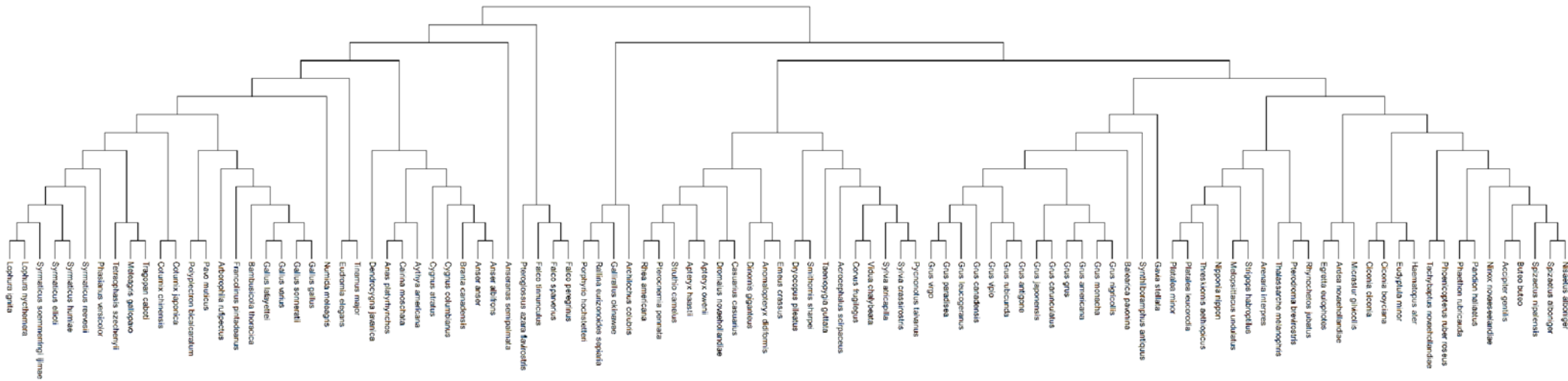
**Figure C.8: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 701-800**



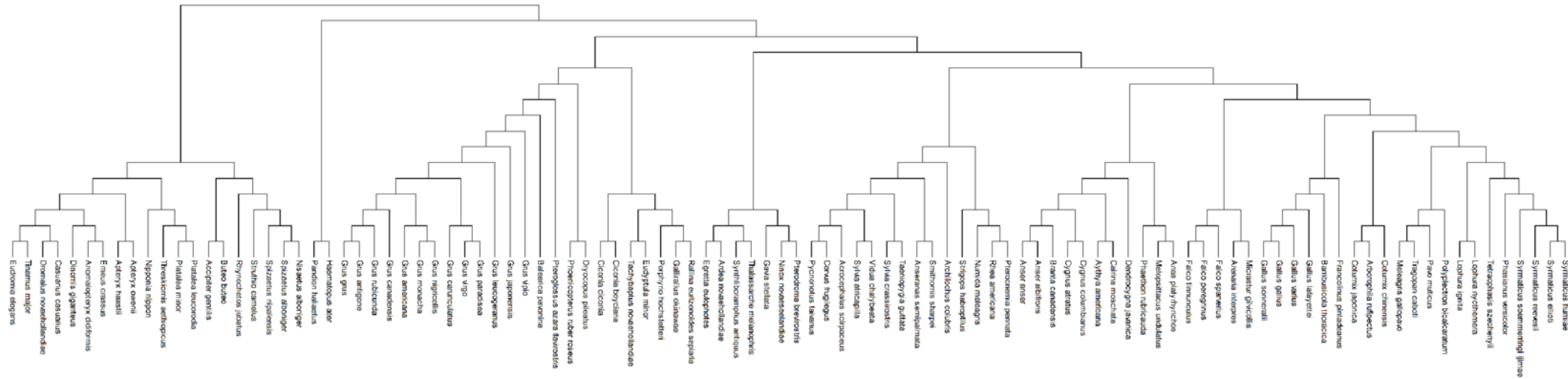
**Figure C.9: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 801-900**



**Figure C.10: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 901-1000**

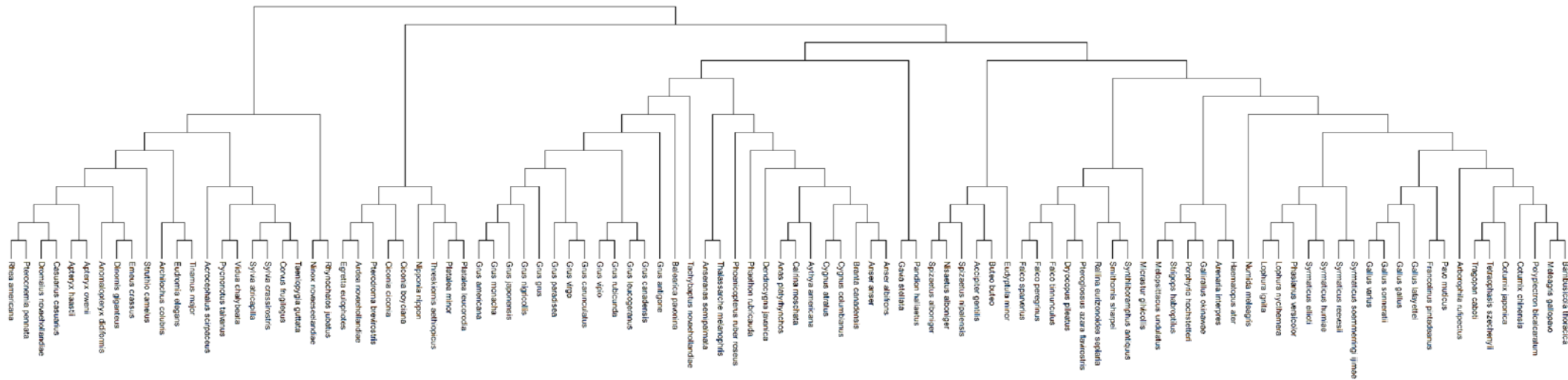


**Figure C.11: Phylogenetic tree reconstruction of the 100 bp segment from the ND2 gene, at base positions 1001-1041**

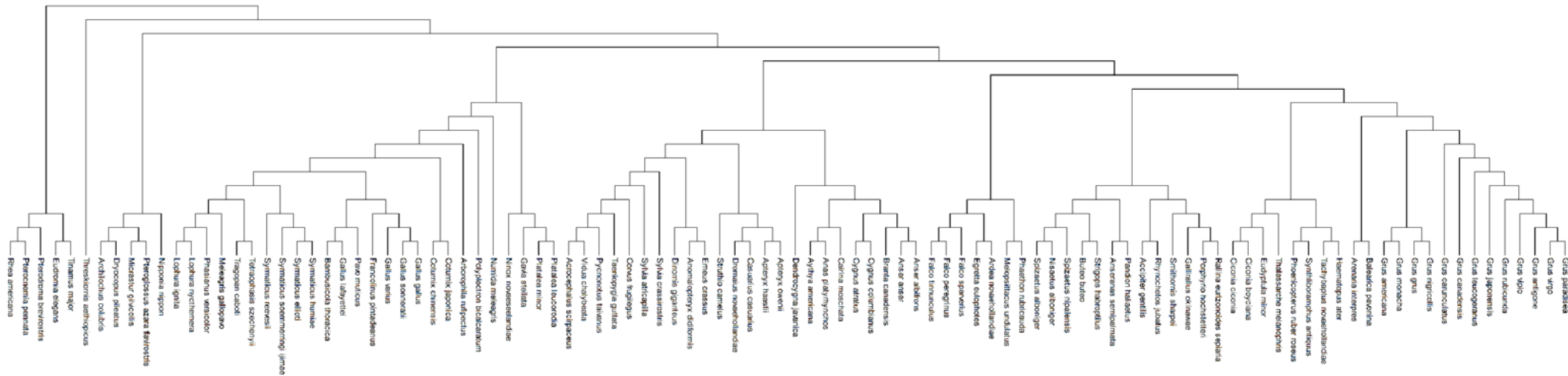


**Figure C.12: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 1-100**

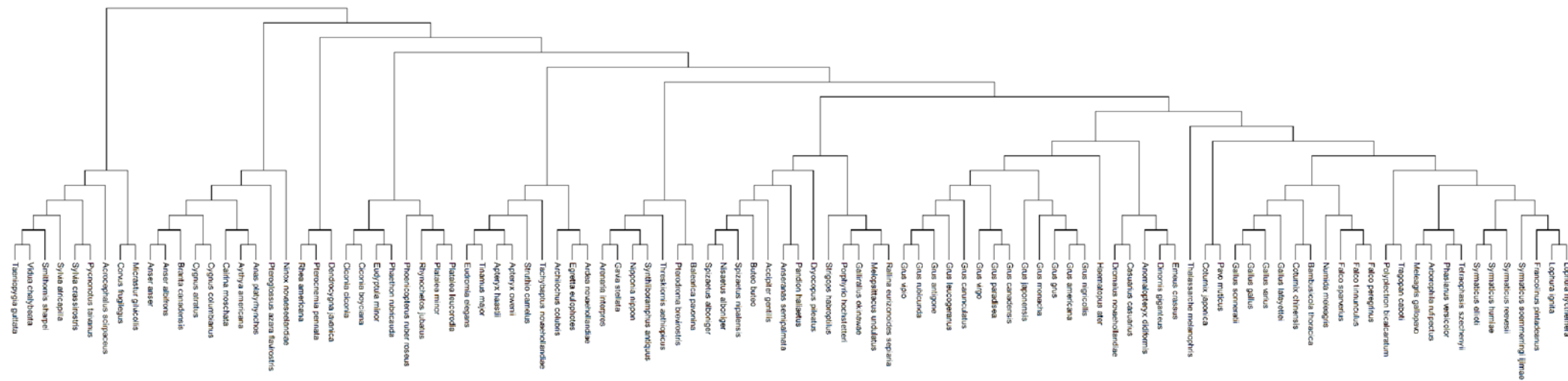




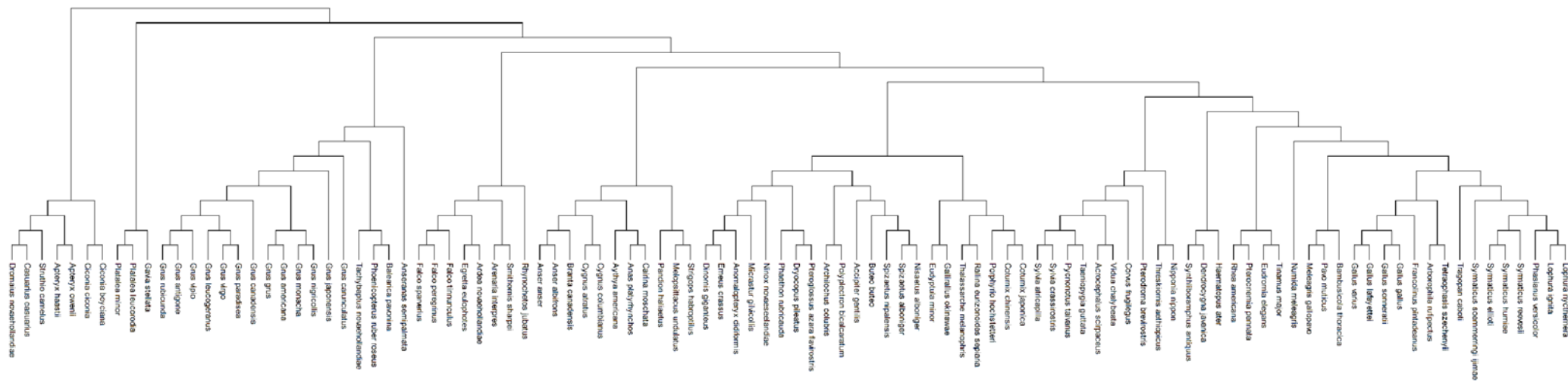
**Figure C.13: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 101-200**



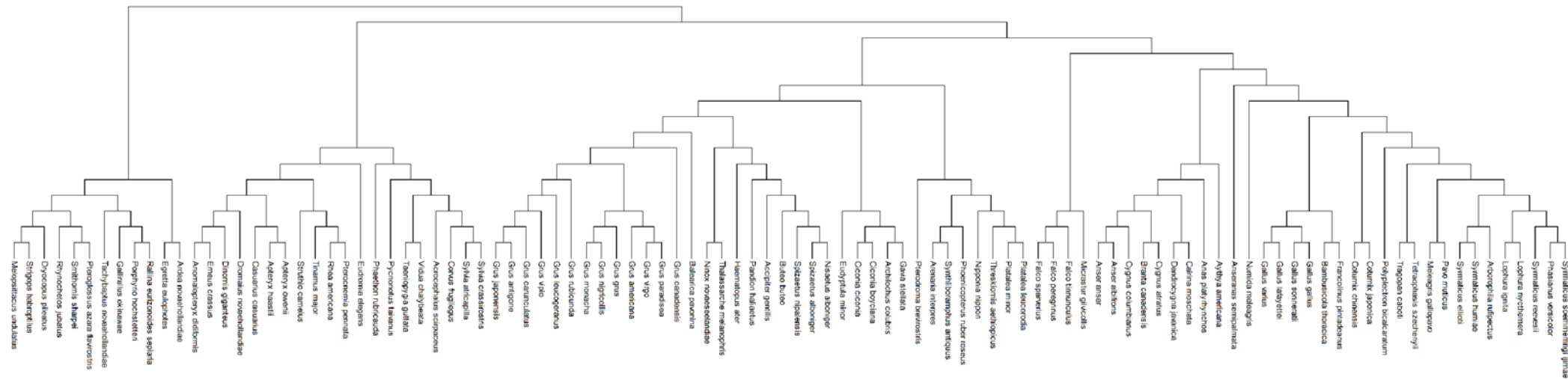
**Figure C.14: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 201-300**



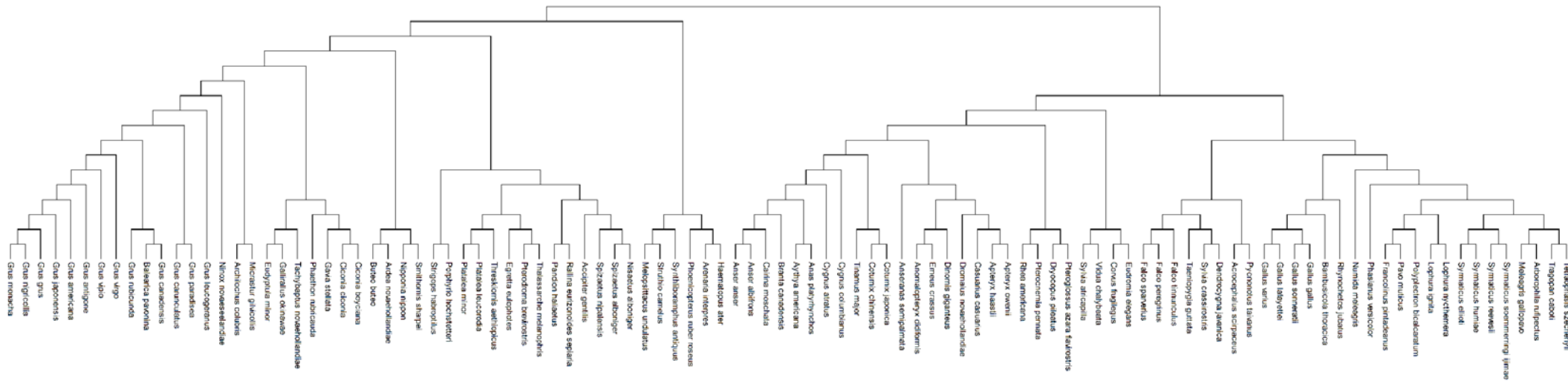
**Figure C.15: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 301-400**



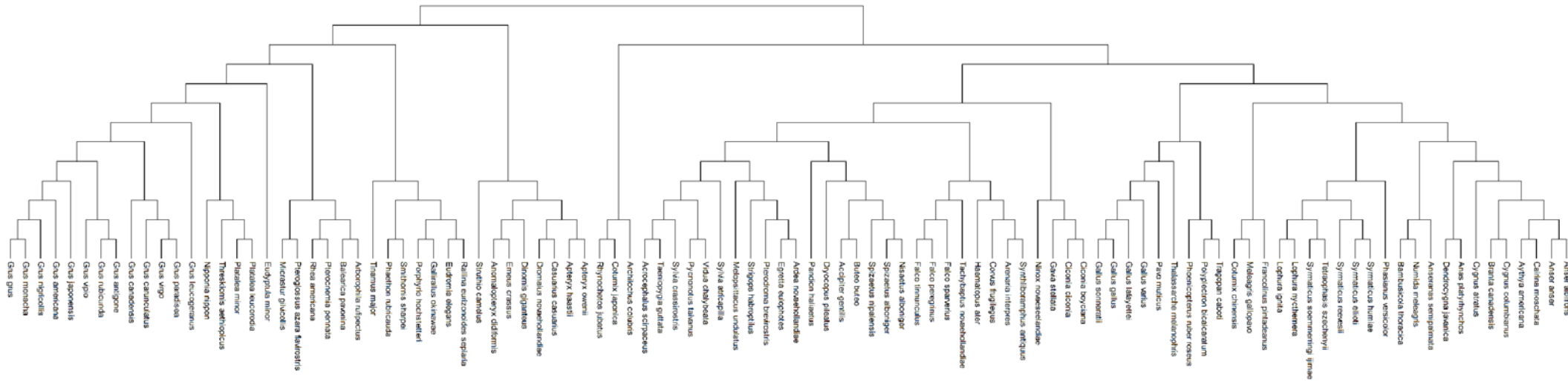
**Figure C.16: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 401-500**



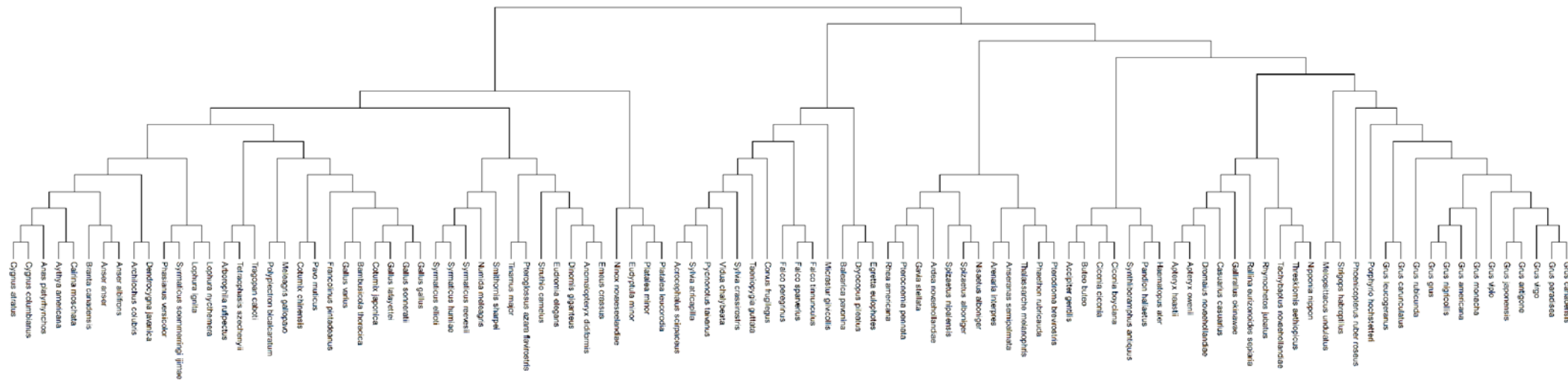
**Figure C.17: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 501-600**



**Figure C.18: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 601-700**

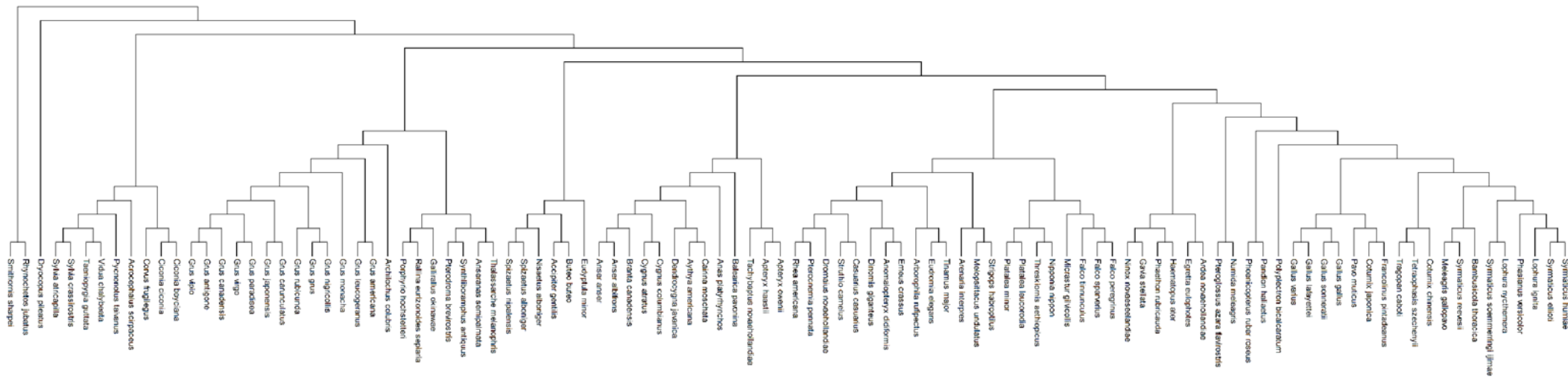


**Figure C.19: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 701-800**

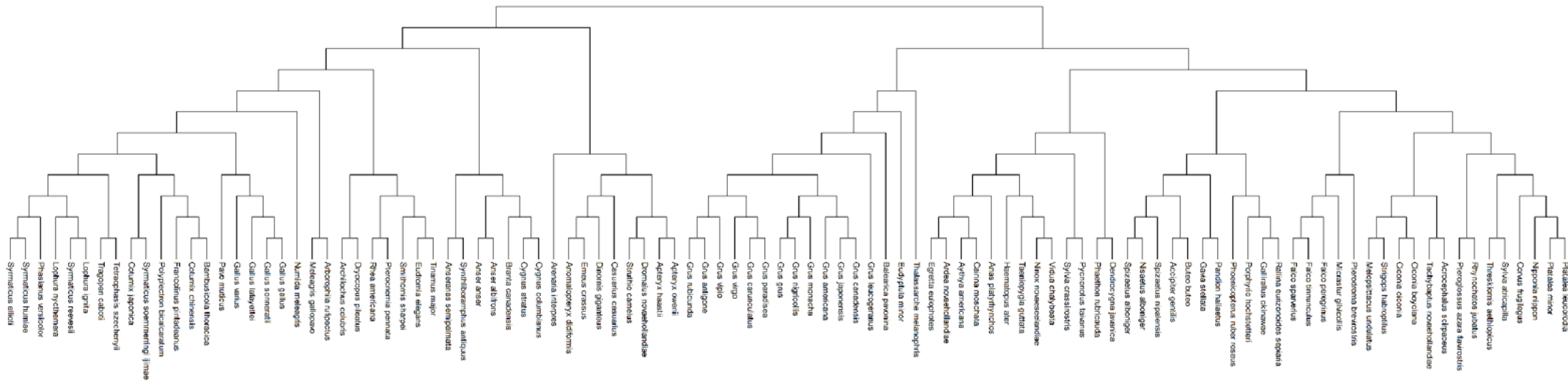


**Figure C.20: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 801-900**

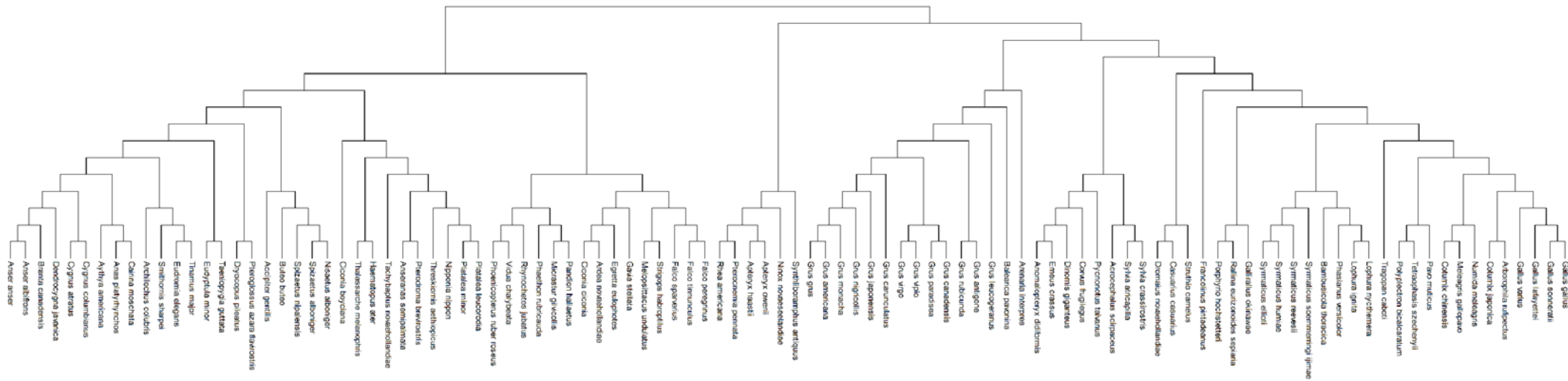




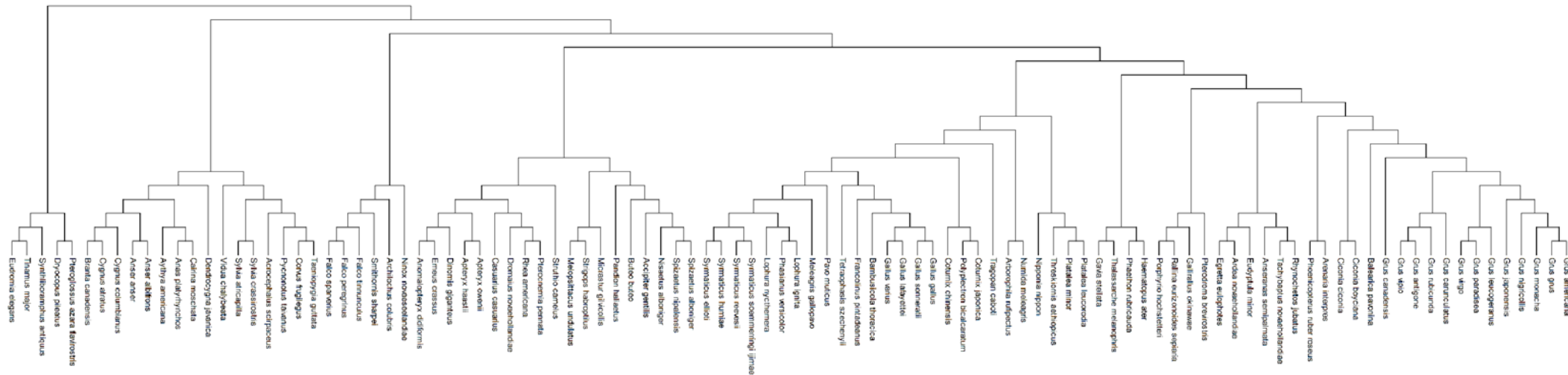
**Figure C.21: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 901-1000**



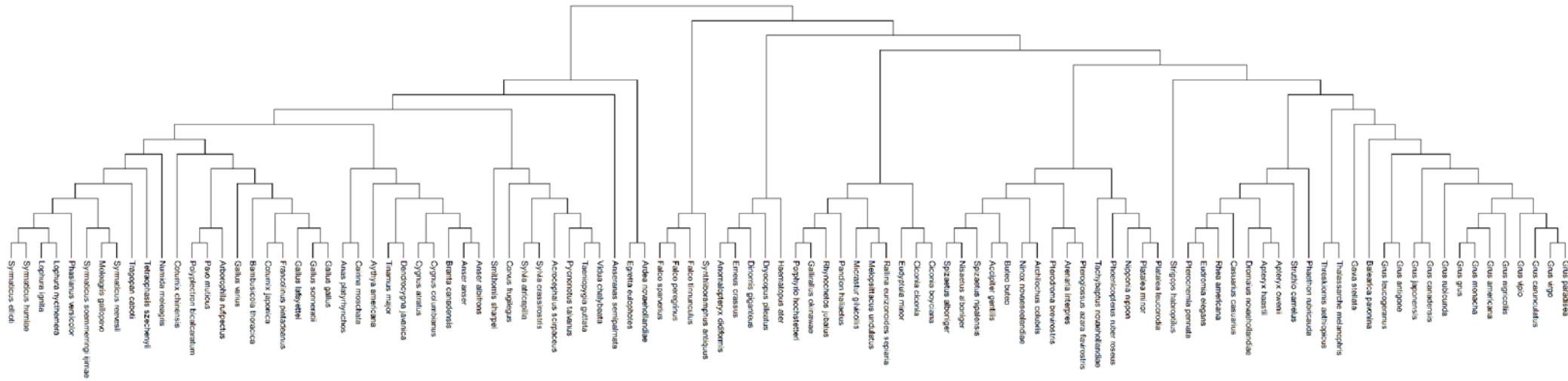
**Figure C.22: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 1001-1100**



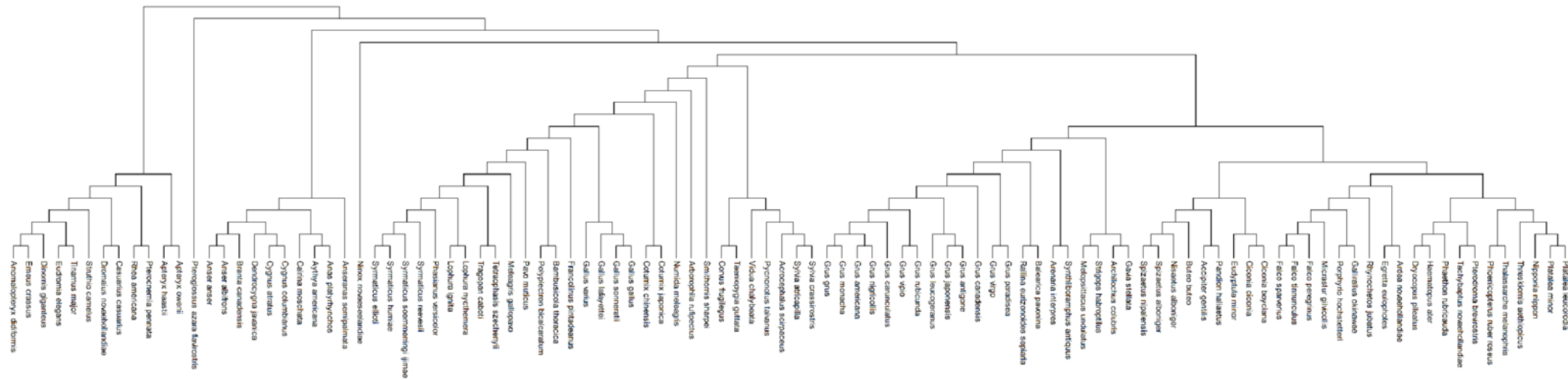
**Figure C.23: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 1101-1200**



**Figure C.24: Phylogenetic tree reconstruction of the 100 bp segment from the ND4 gene, at base positions 1201-1375**



**Figure C.25: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1-100**



**Figure C.26: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 101-200**

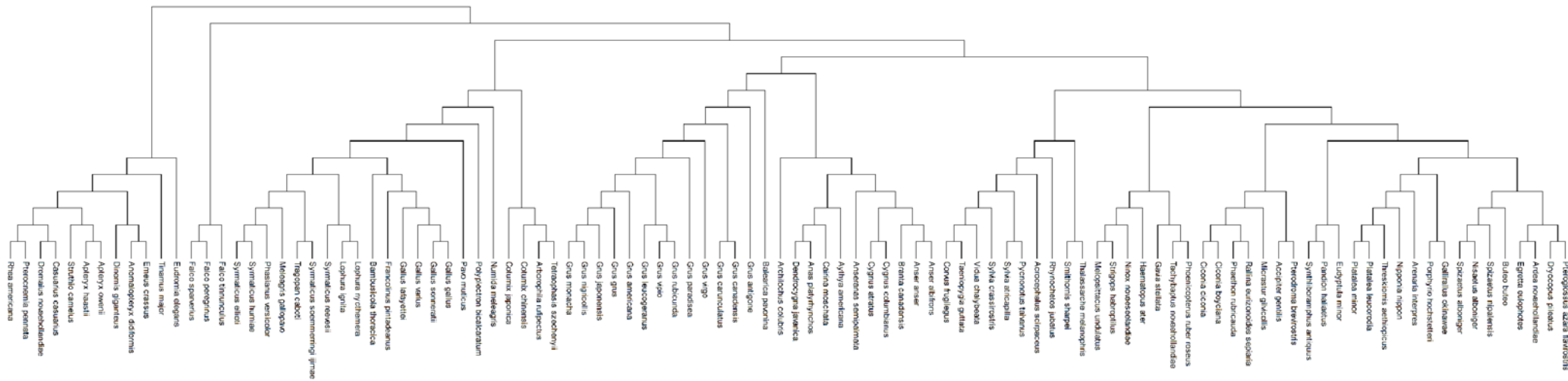
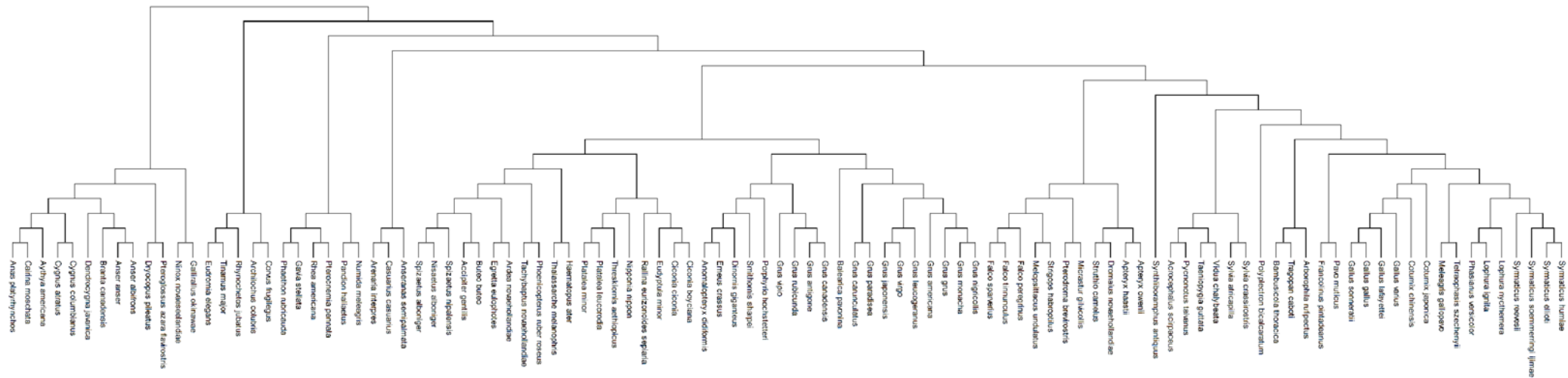
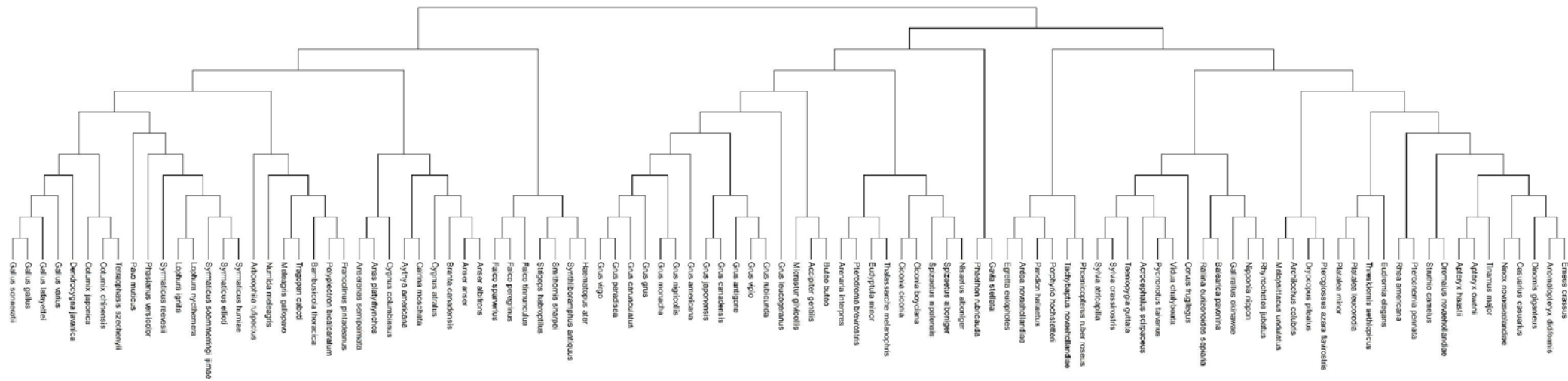


Figure C.27: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 201-300

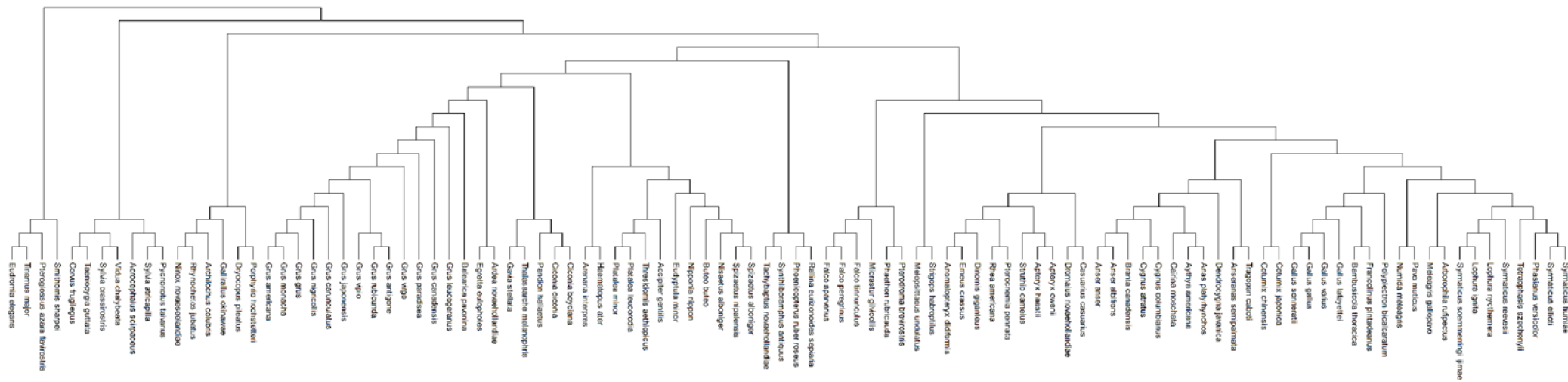


**Figure C.28: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 301-400**

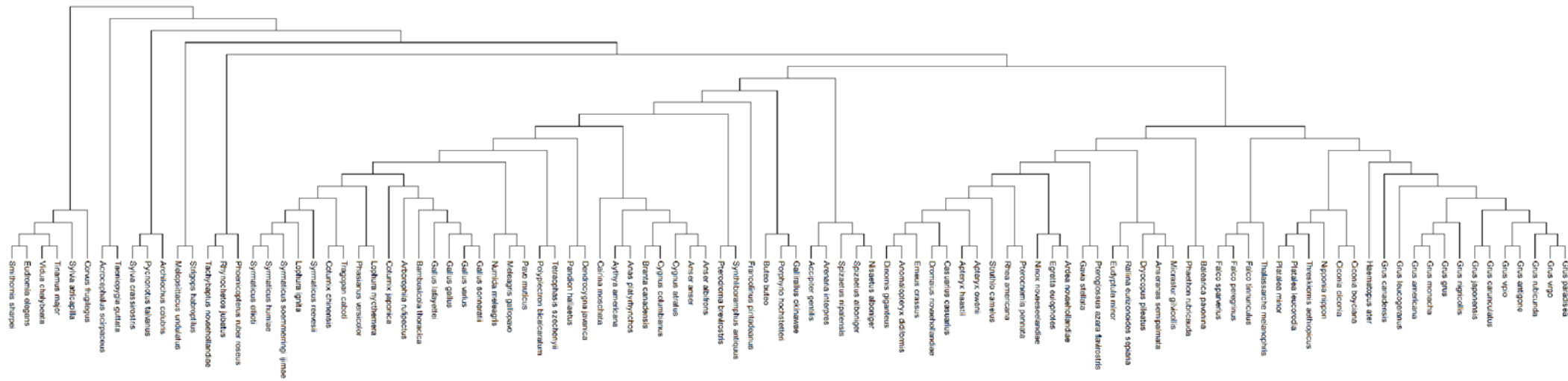




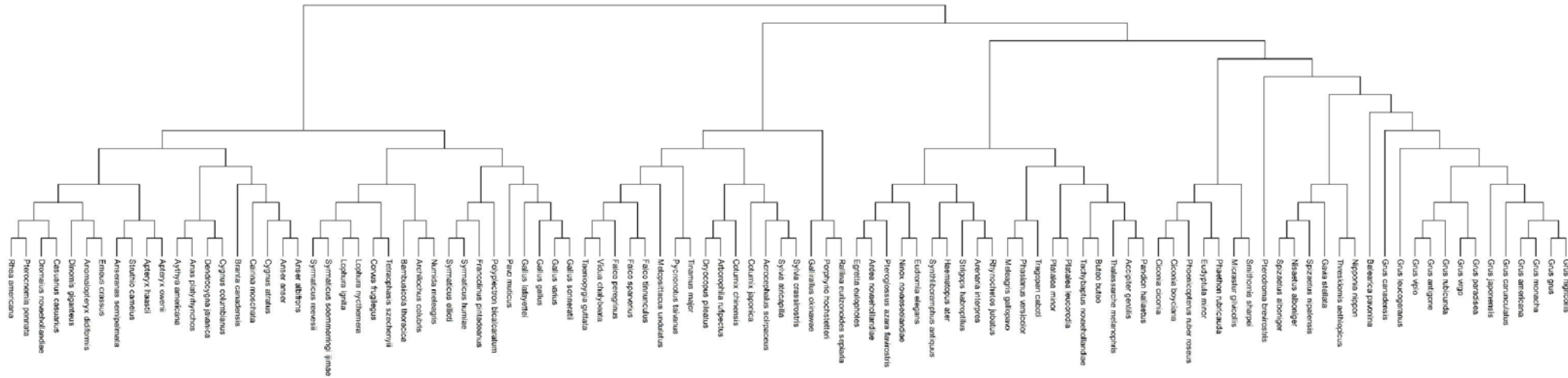
**Figure C.29: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 401-500**



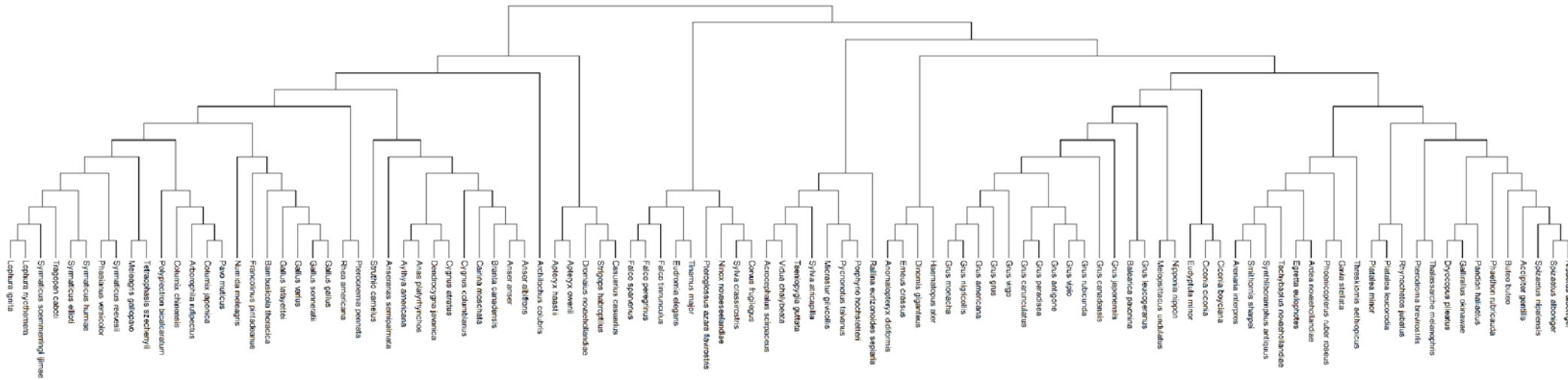
**Figure C.30: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 501-600**



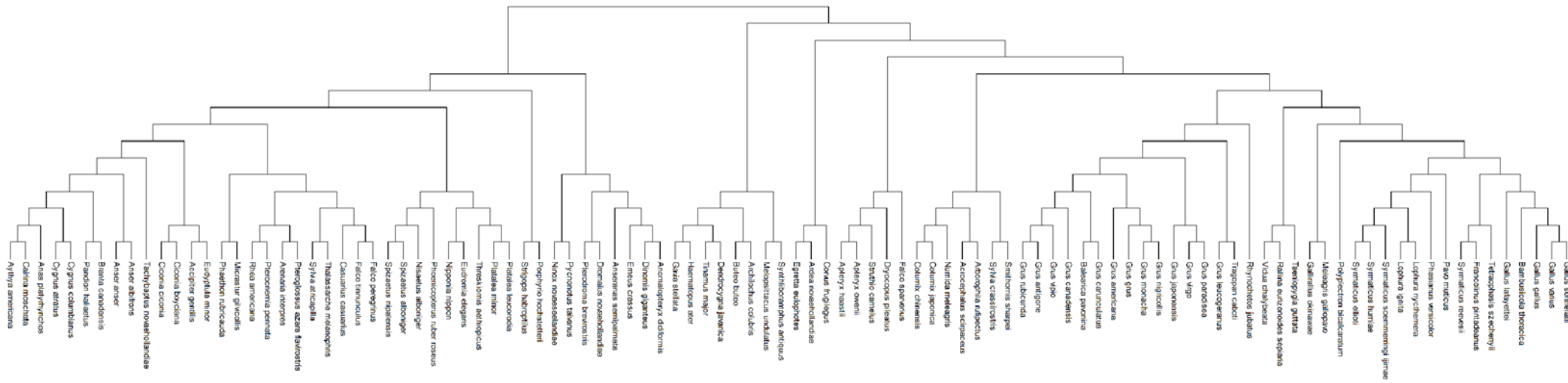
**Figure C.31: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 601-700**



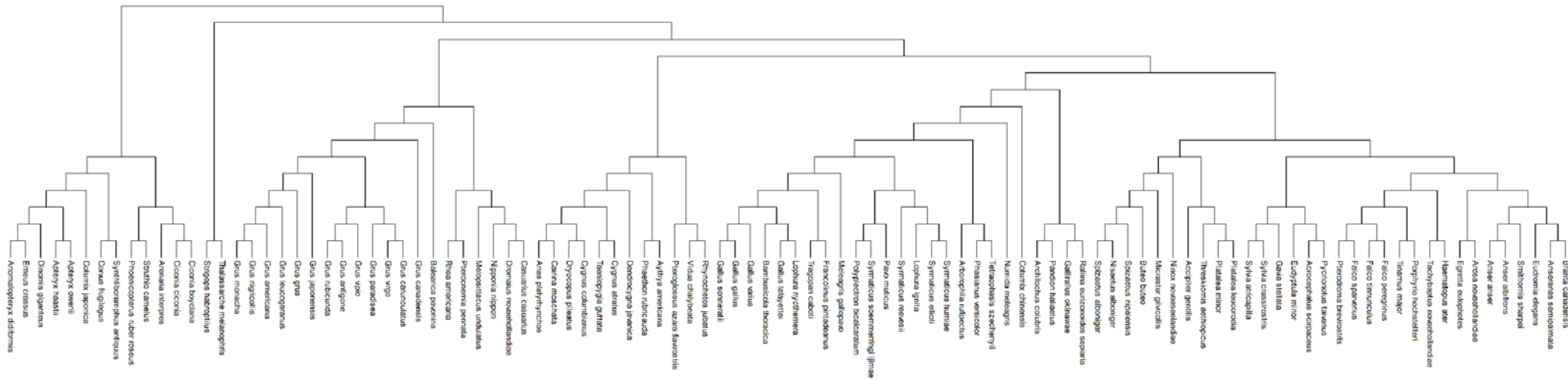
**Figure C.32: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 701-800**



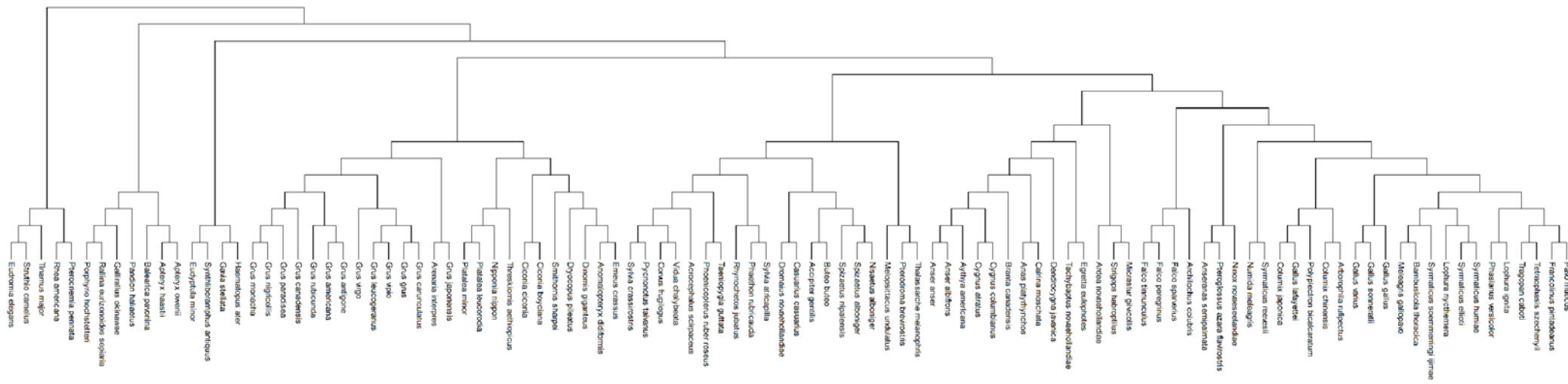
**Figure C.33: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 801-900**



**Figure C.34: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 901-1000**

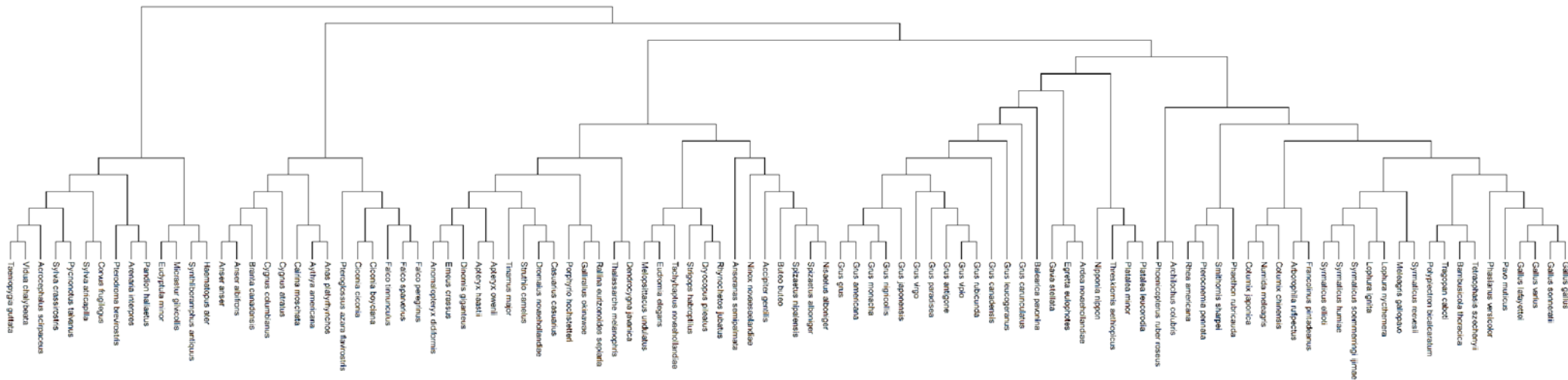


**Figure C.35: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1001-1100**

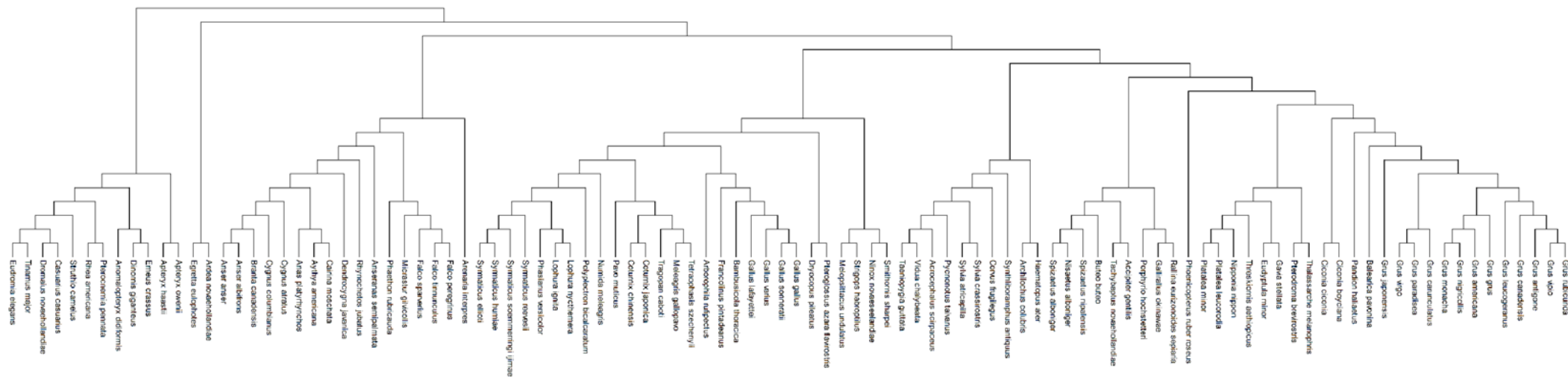


**Figure C.36: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1101-1200**

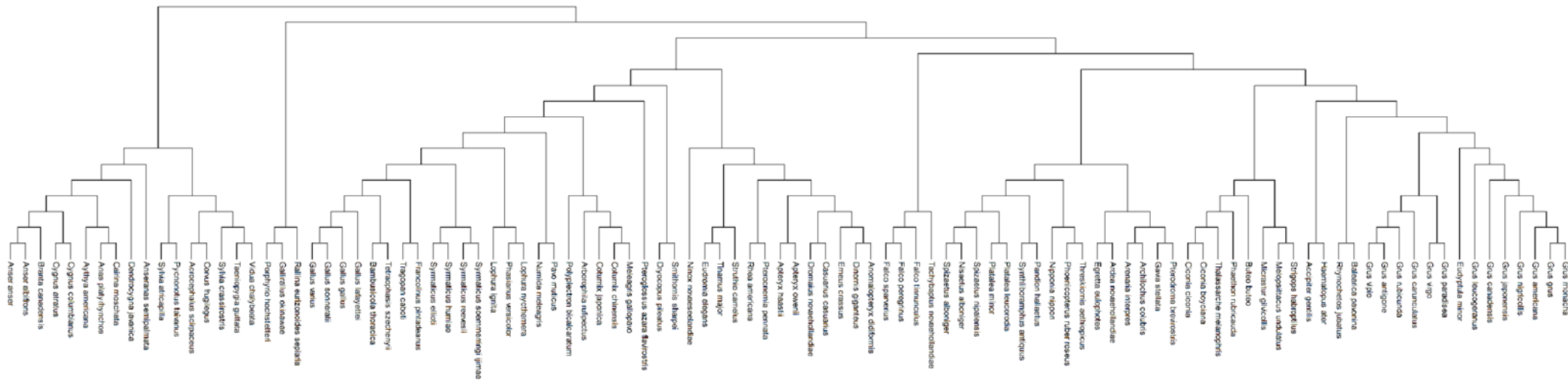




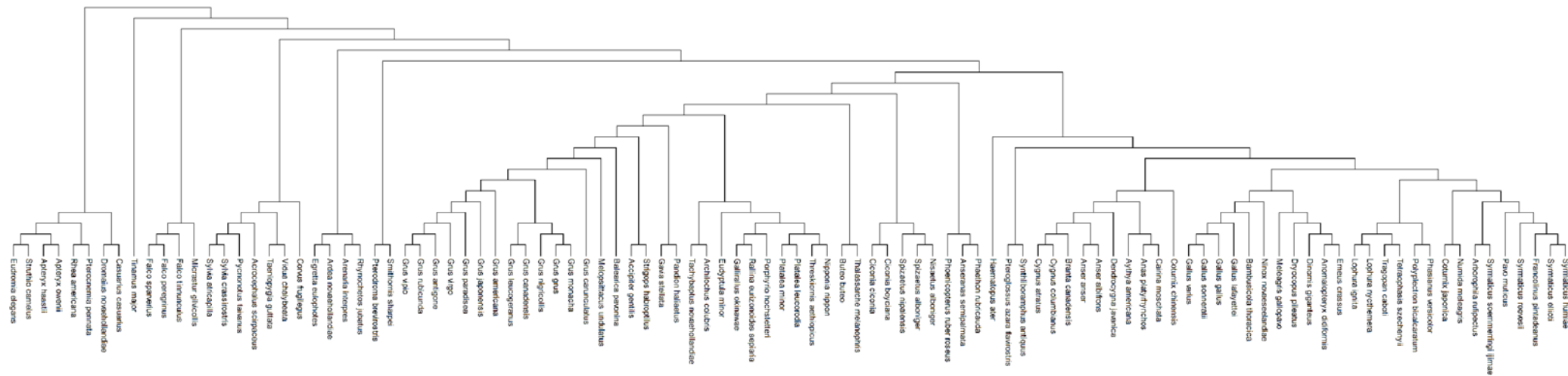
**Figure C.37: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1201-1300**



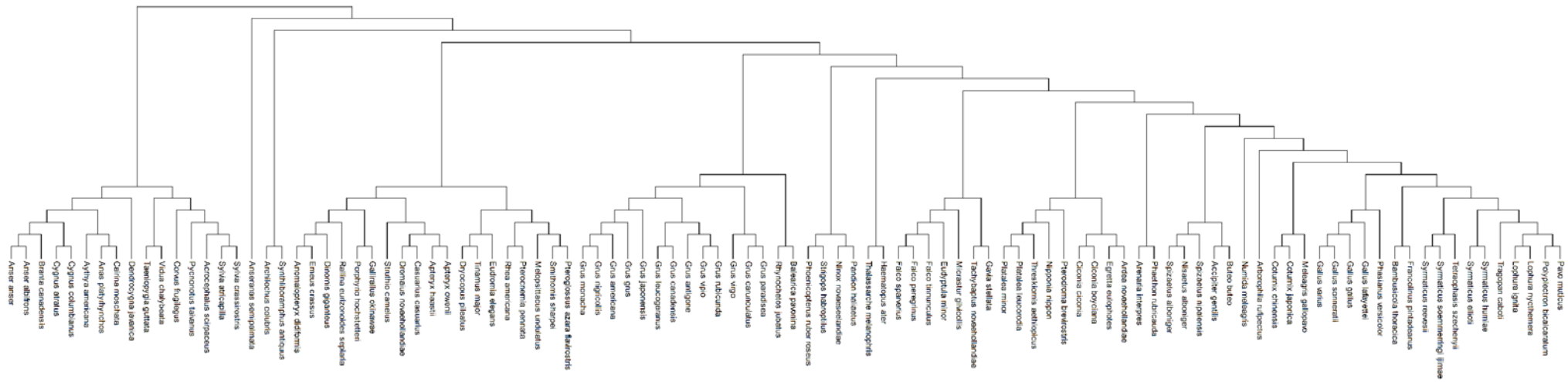
**Figure C.38: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1301-1400**



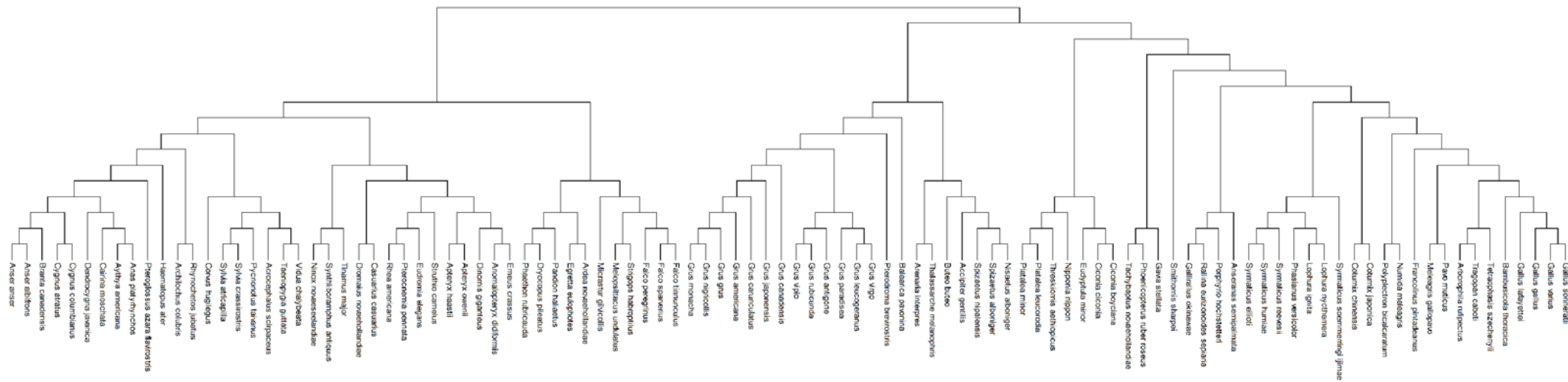
**Figure C.39: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1401-1500**



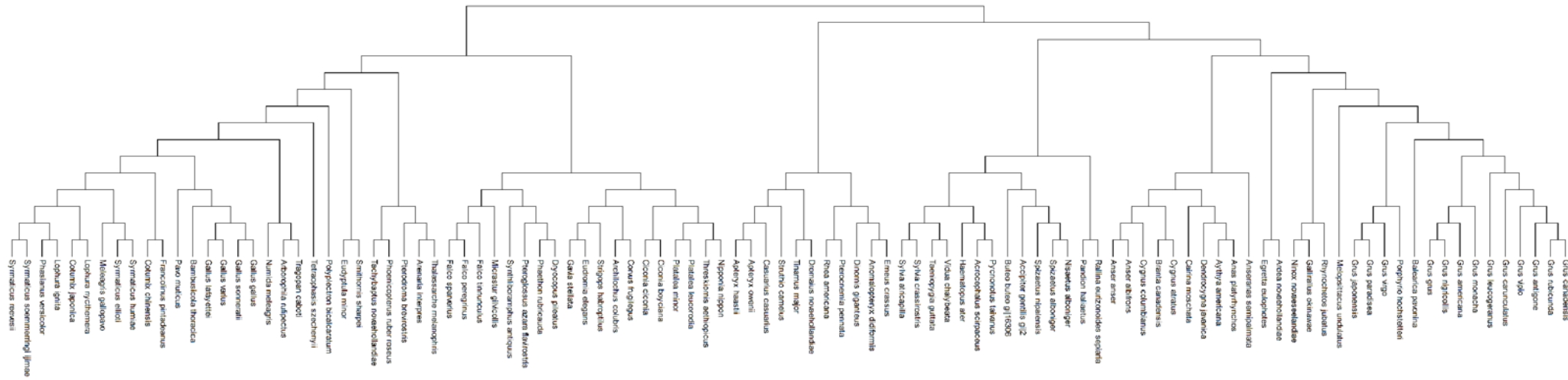
**Figure C.40: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1501-1600**



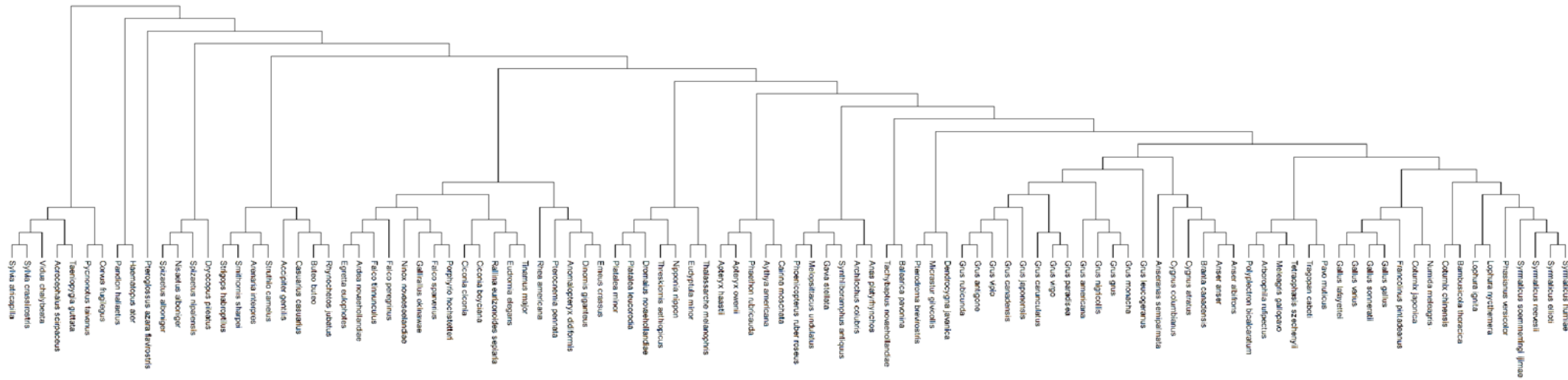
**Figure C.41: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1601-1700**



**Figure C.42: Phylogenetic tree reconstruction of the 100 bp segment from the ND5 gene, at base positions 1701-1800**

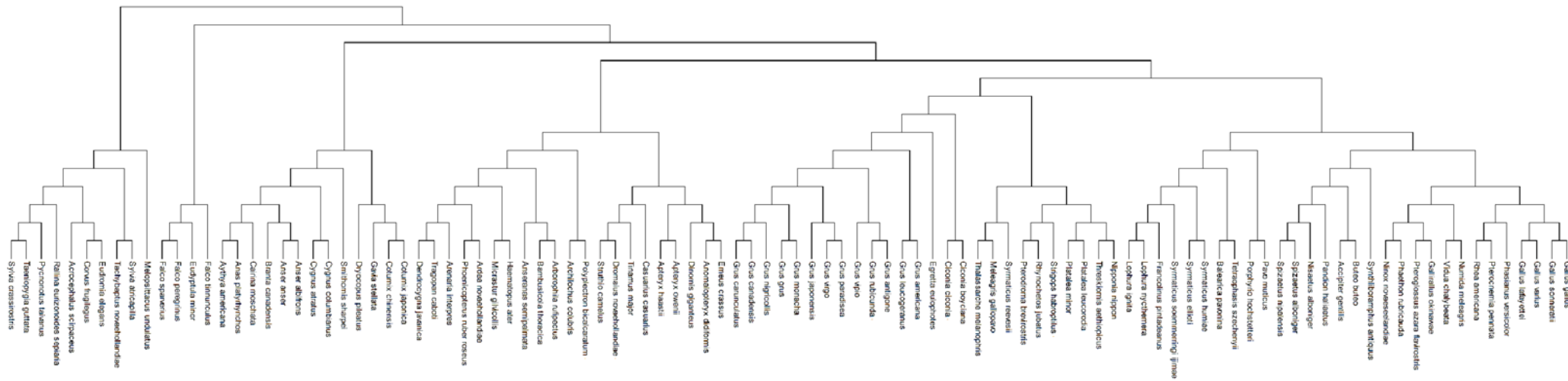


**Figure C.43: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 1-100**

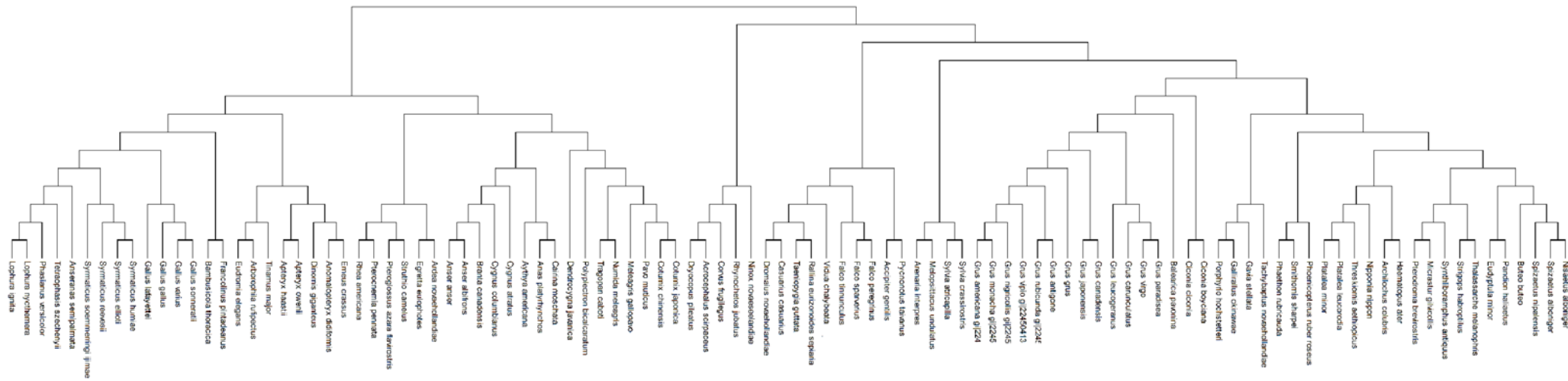


**Figure C.44: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 101-200**

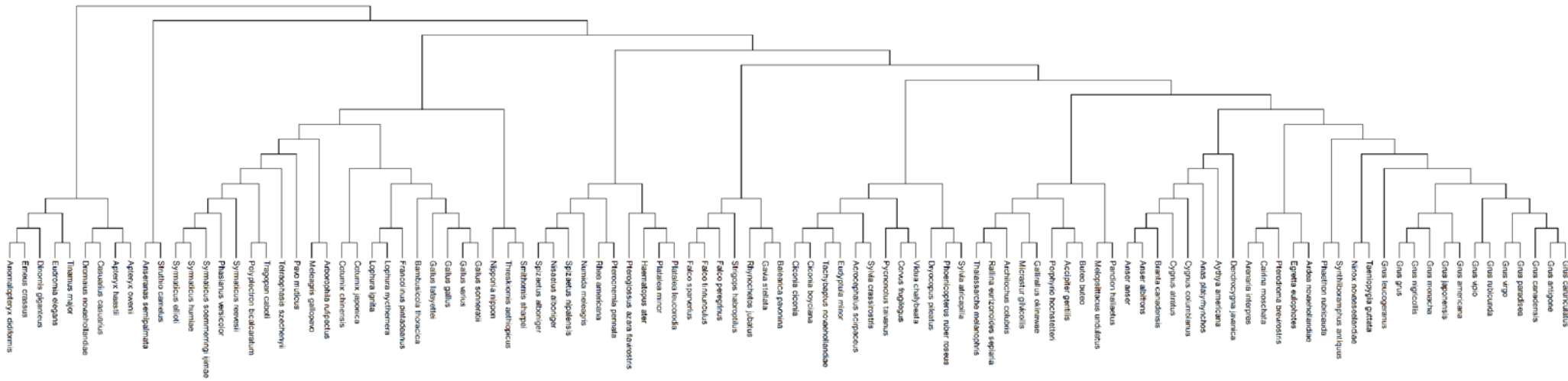




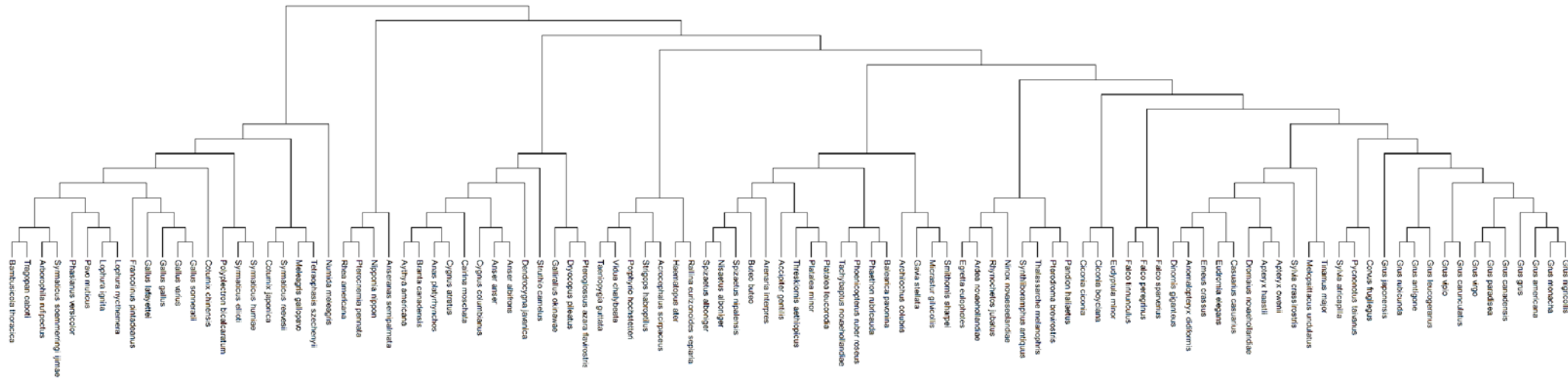
**Figure C.45: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 201-300**



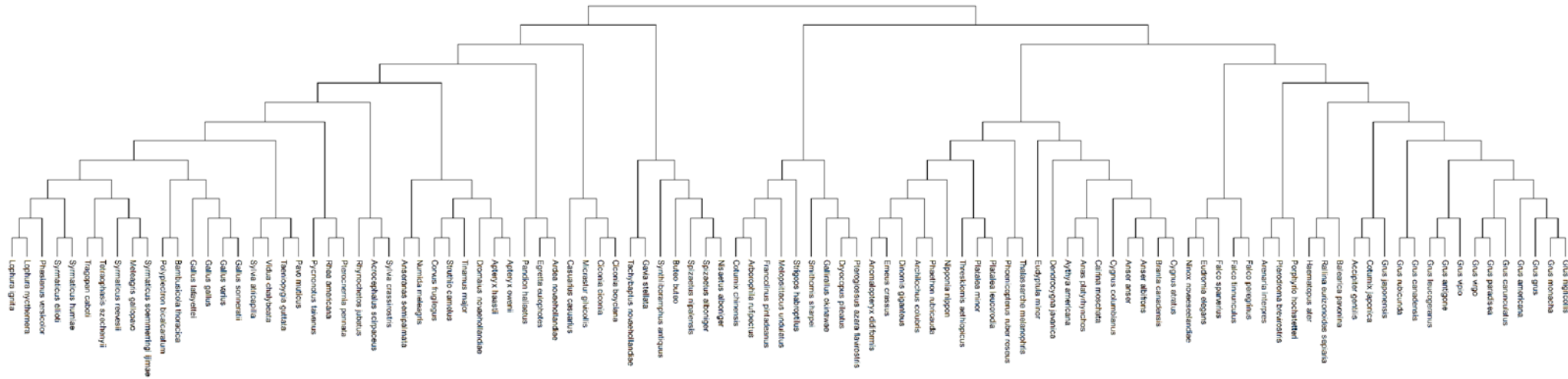
**Figure C.46: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 301-400**



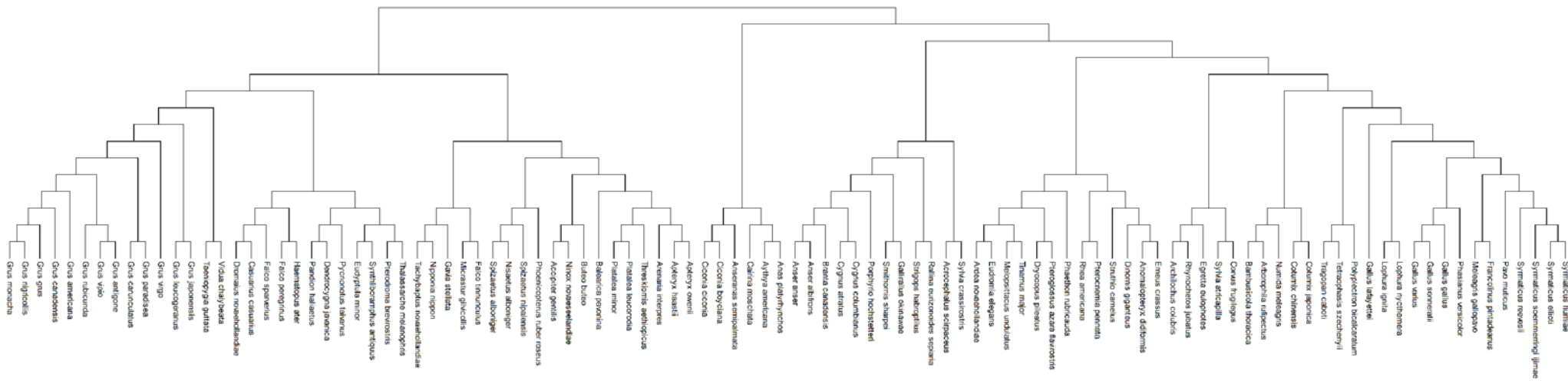
**Figure C.47: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 401-500**



**Figure C.48: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 501-600**



**Figure C.49: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 601-700**



**Figure C.50: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 701-800**

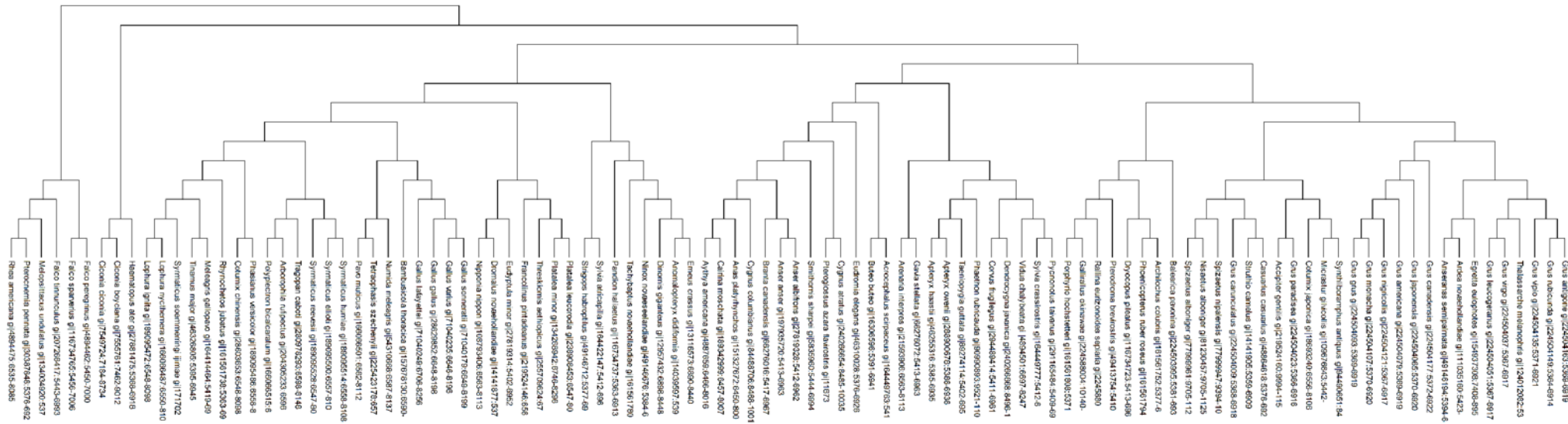
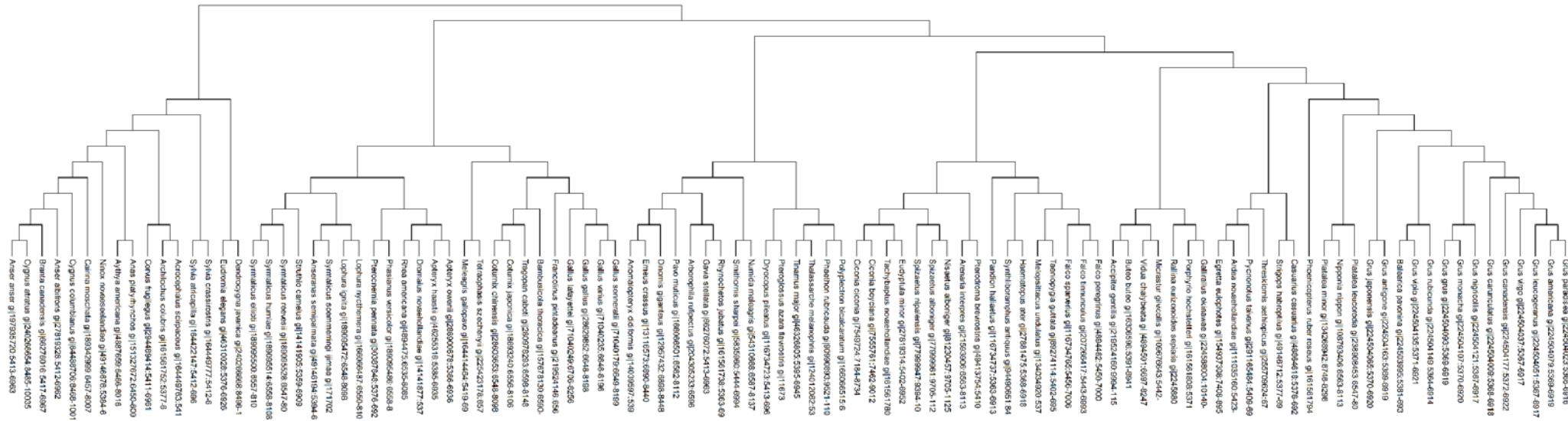


Figure C.51: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 801-900

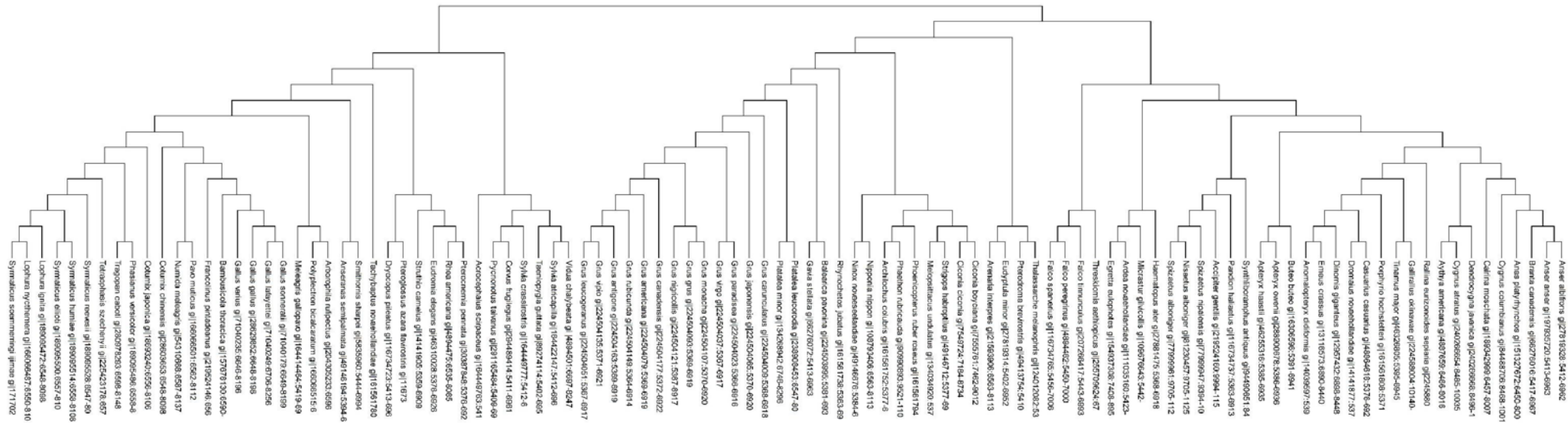


**Figure C.52: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 901-1000**









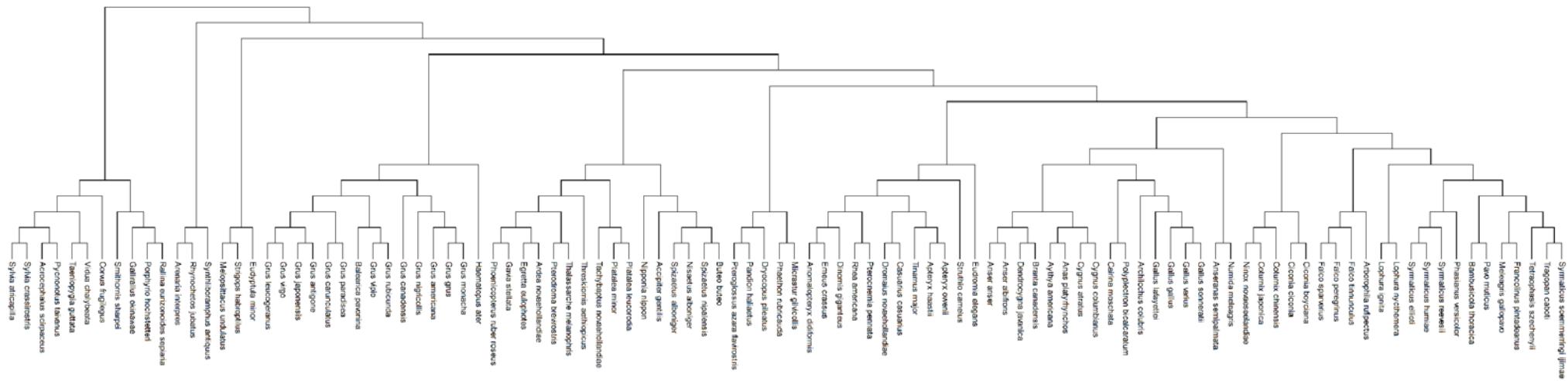
**Figure C.55: Phylogenetic tree reconstruction of the 100 bp segment from the COI gene, at base positions 1201-1300**



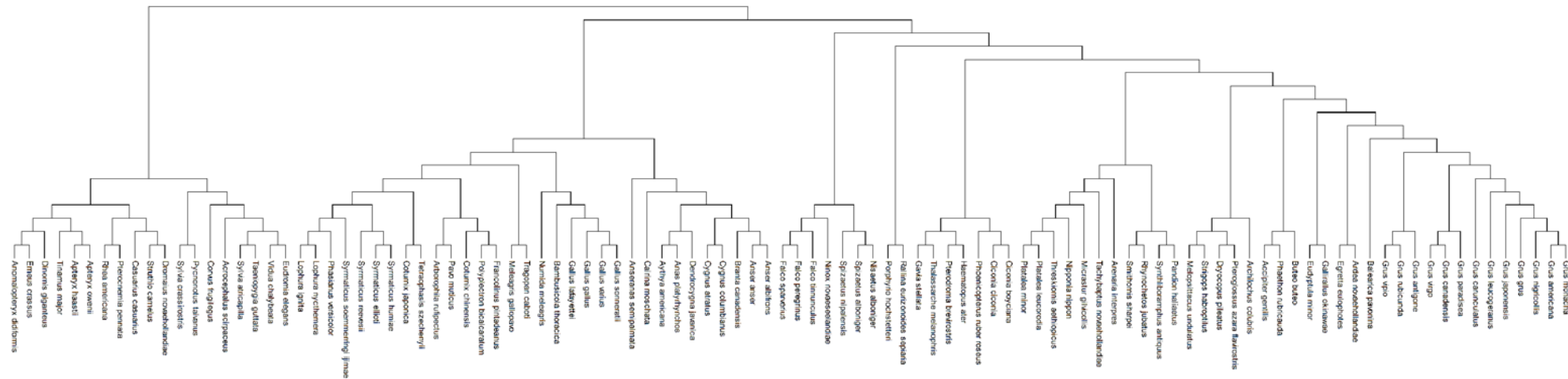






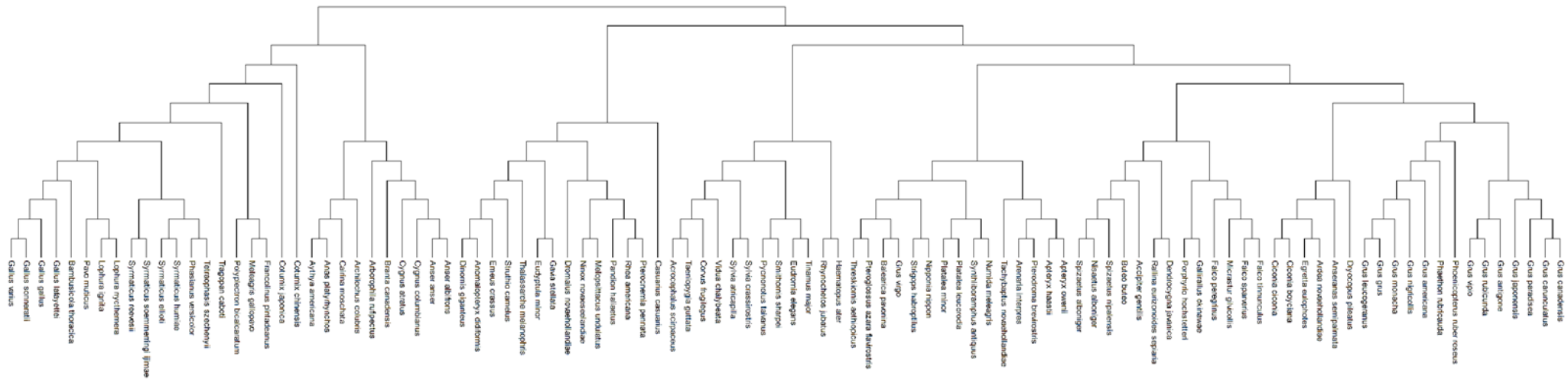


**Figure C.59: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 1-100**

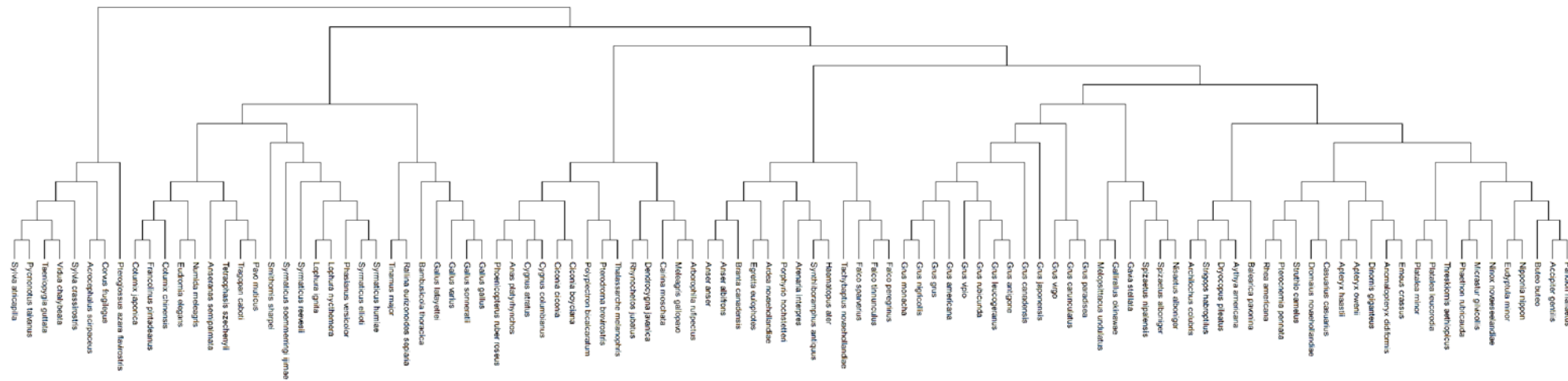


**Figure C.60: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 101-200**

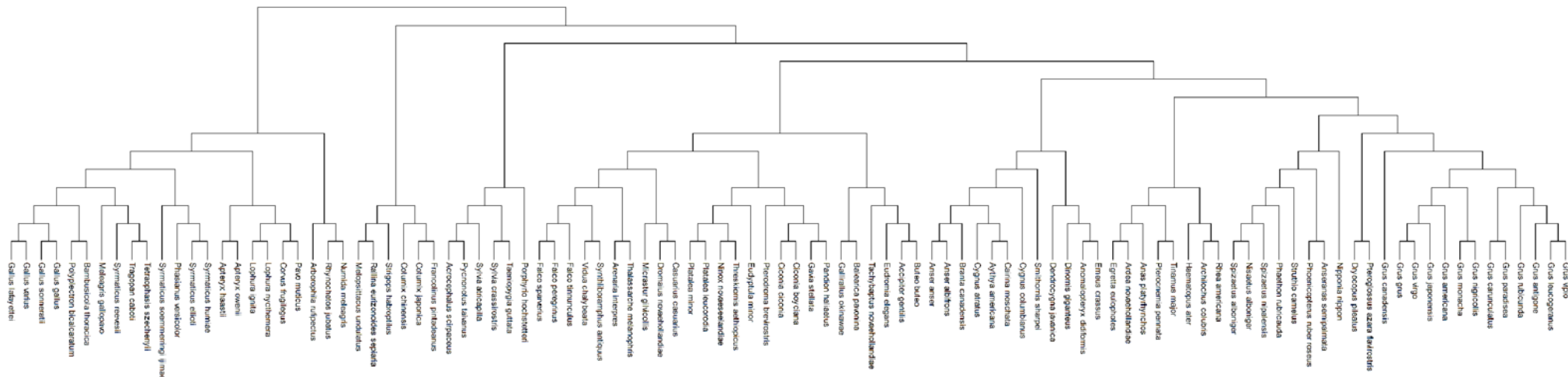




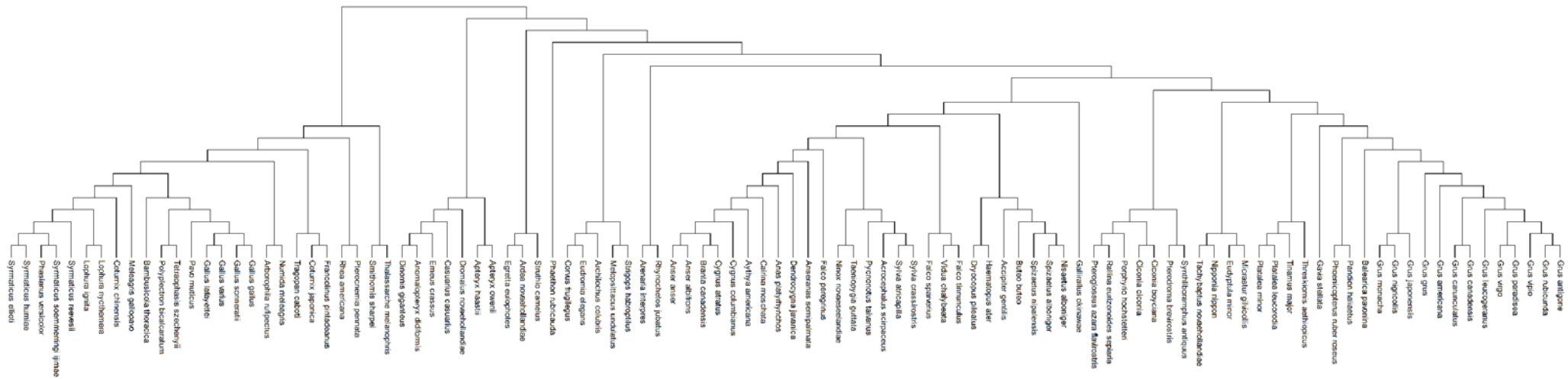
**Figure C.61: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 201-300**



**Figure C.62: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 301-400**



**Figure C.63: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 401-500**



**Figure C.64: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 501-600**

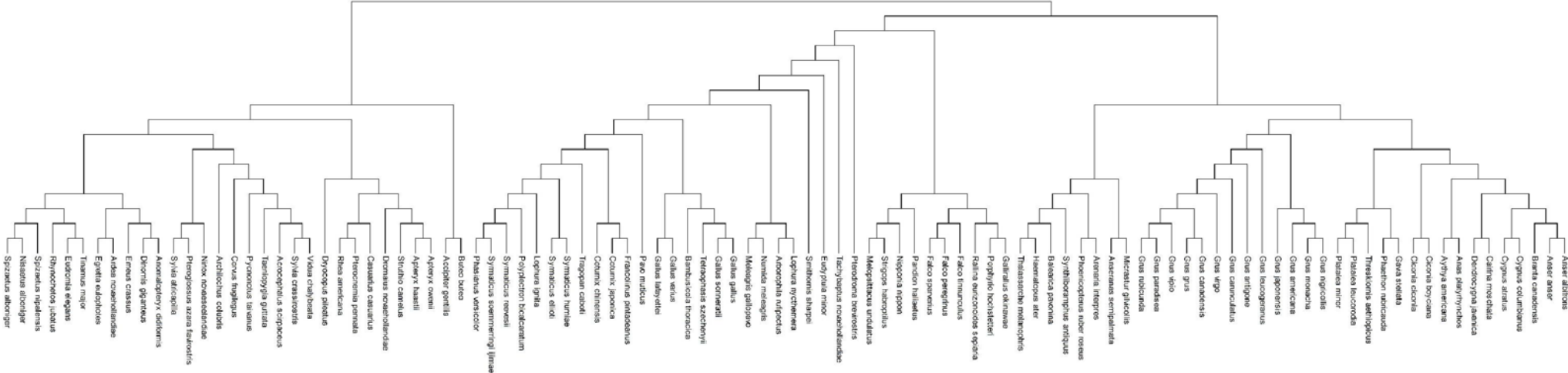
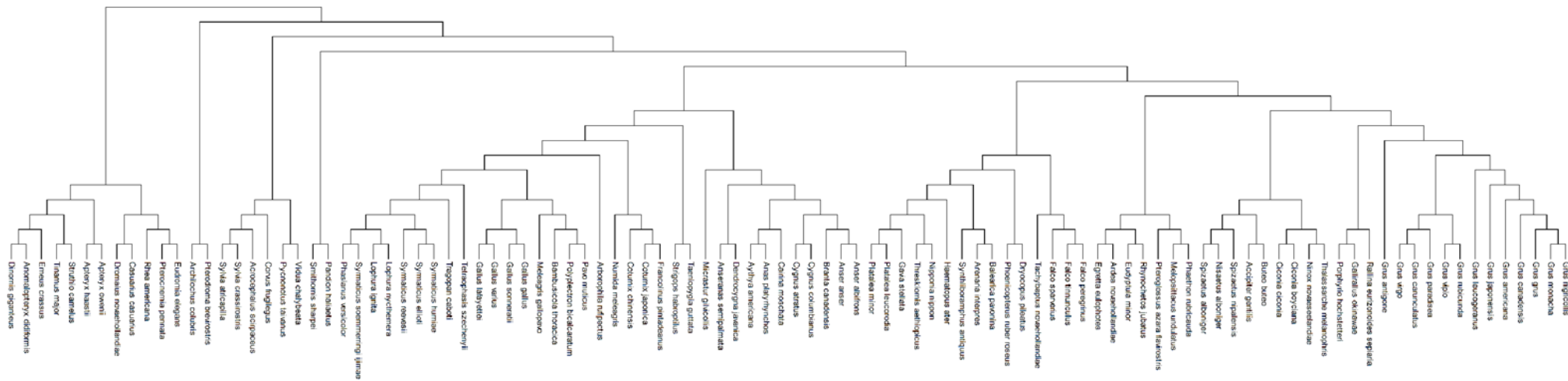
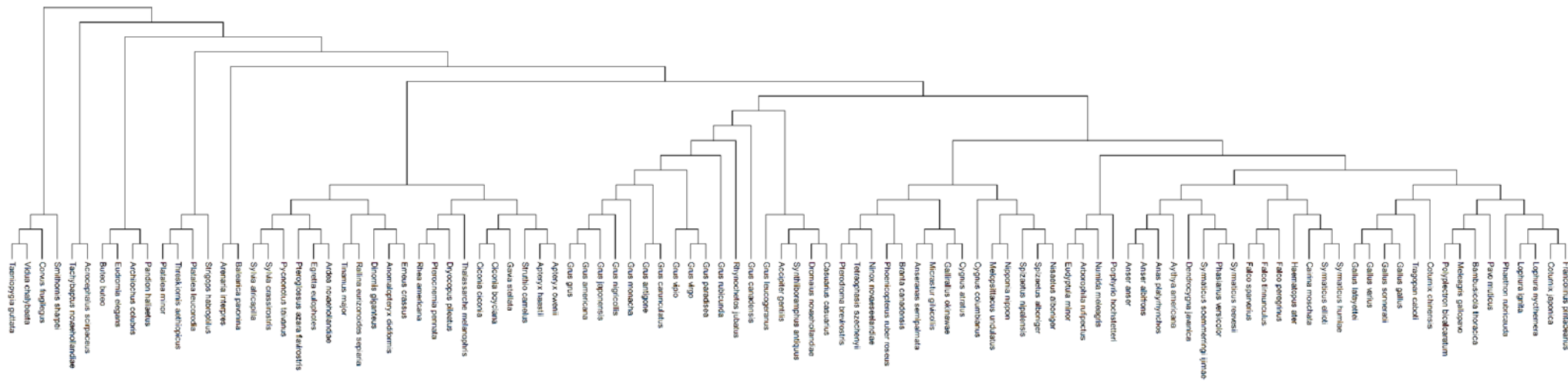


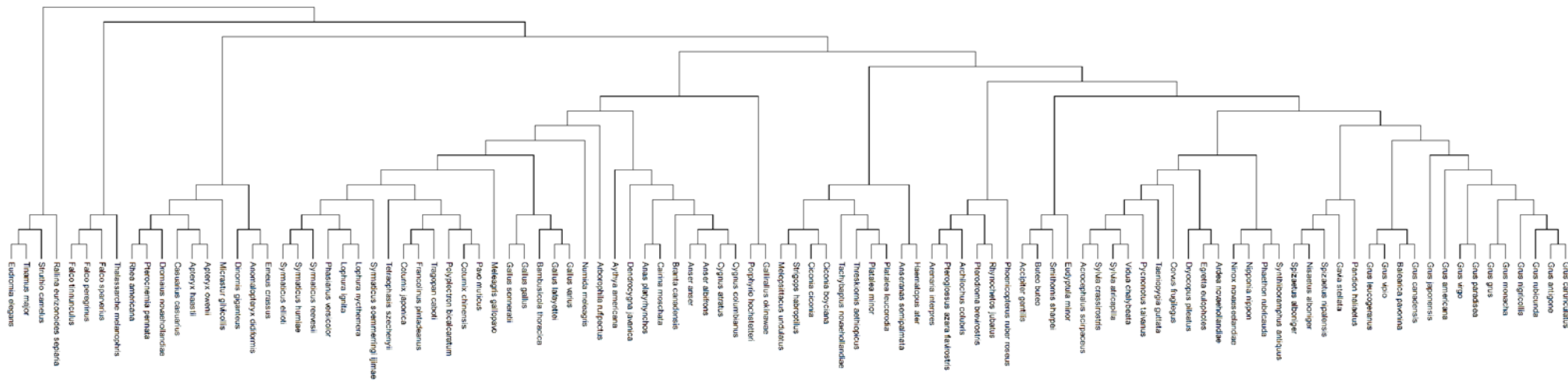
Figure C.65: Phylogenetic tree reconstruction of the 100 bp segment from the cyt *b* gene, at base positions 601-700



**Figure C.66: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 701-800**

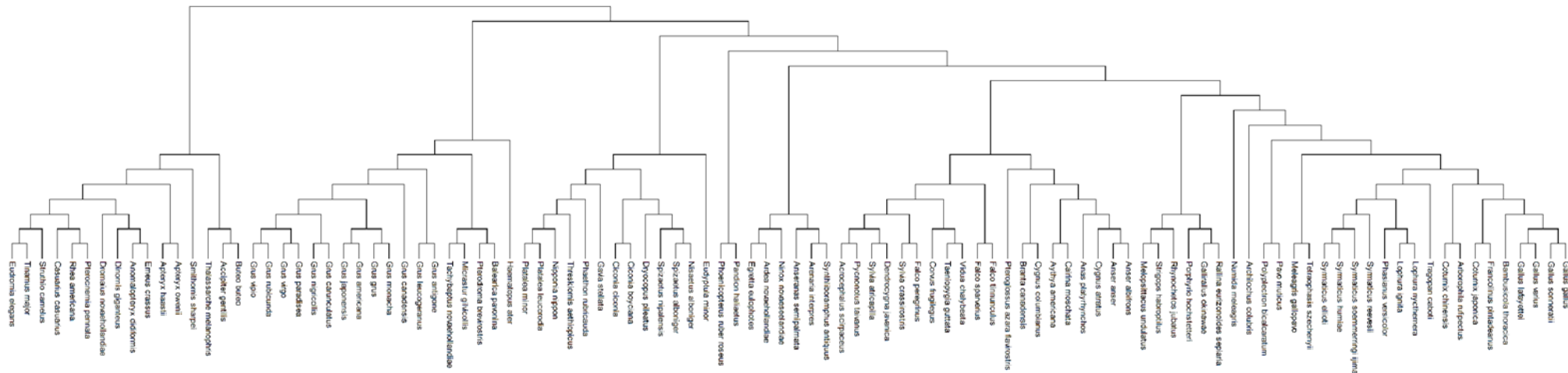


**Figure C.67: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 801-900**

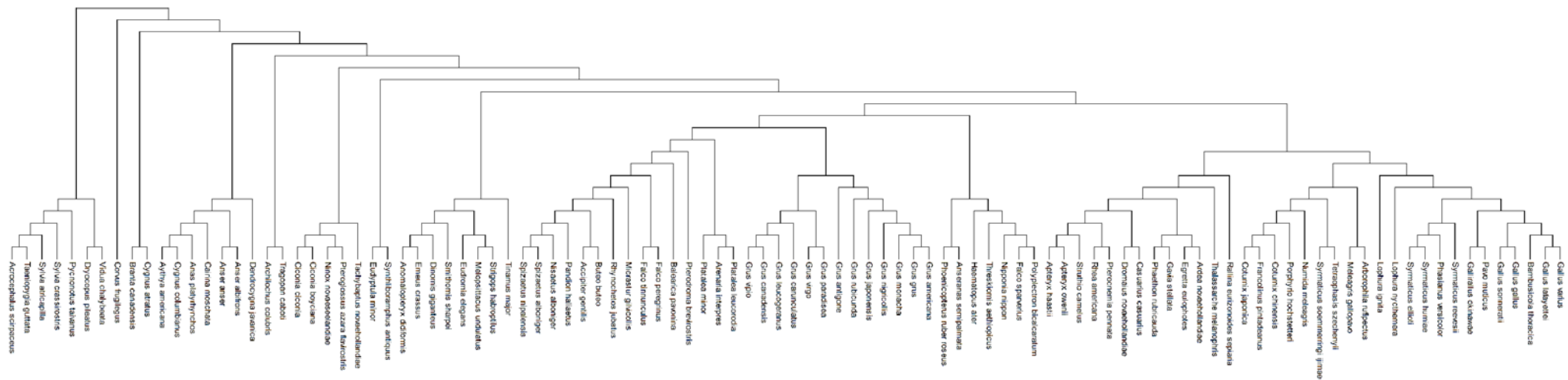


**Figure C.68: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 901-1000**



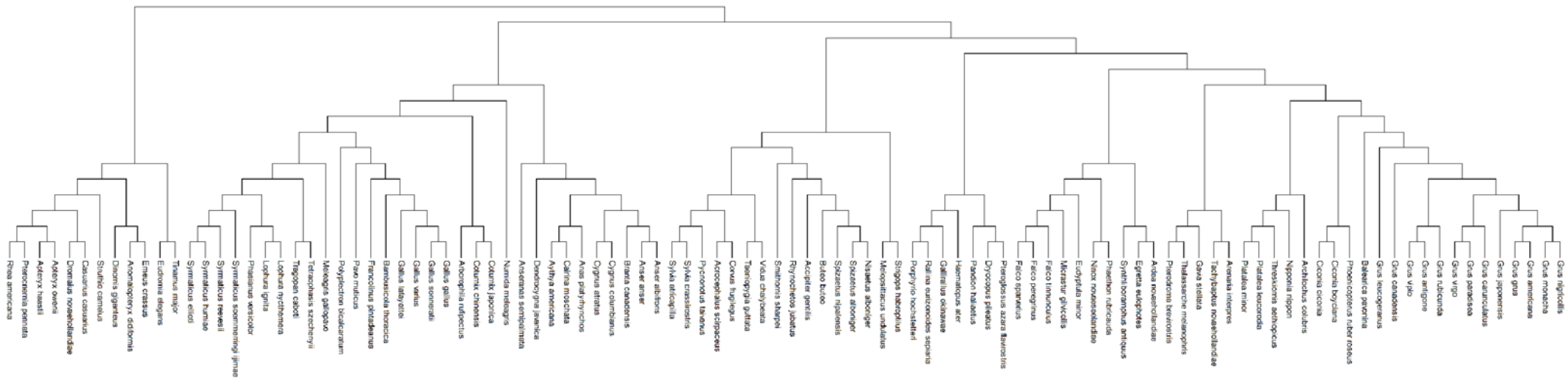


**Figure C.69: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 1001-1100**

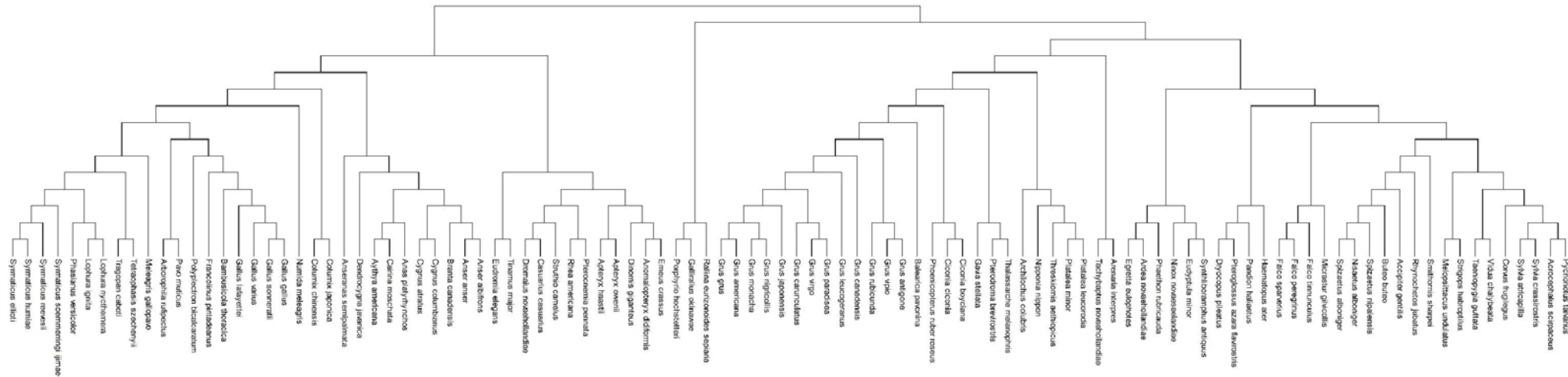


**Figure C.70: Phylogenetic tree reconstruction of the 100 bp segment from the *cyt b* gene, at base positions 1101-1143**

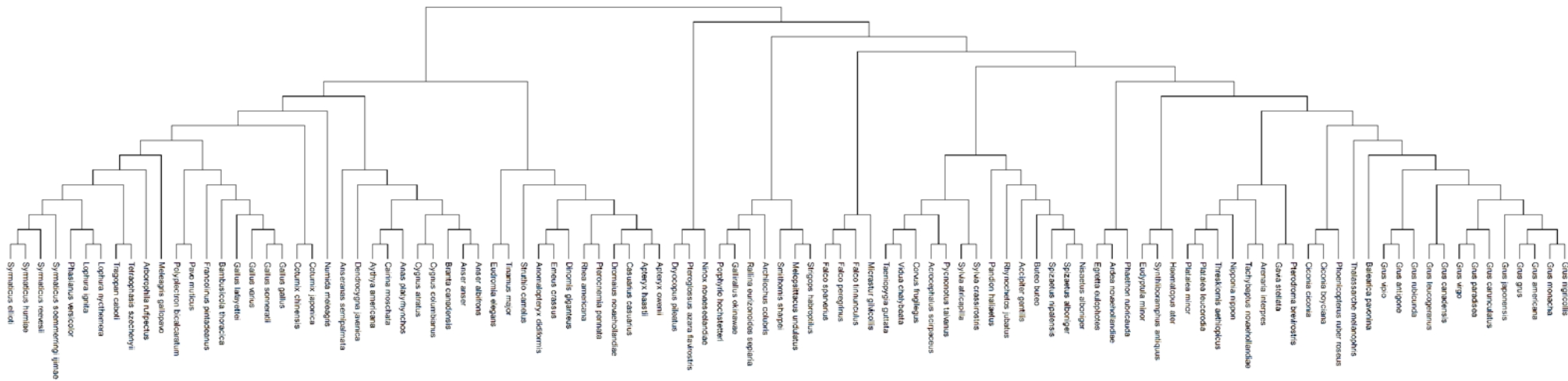
**b) 450 bp segments**



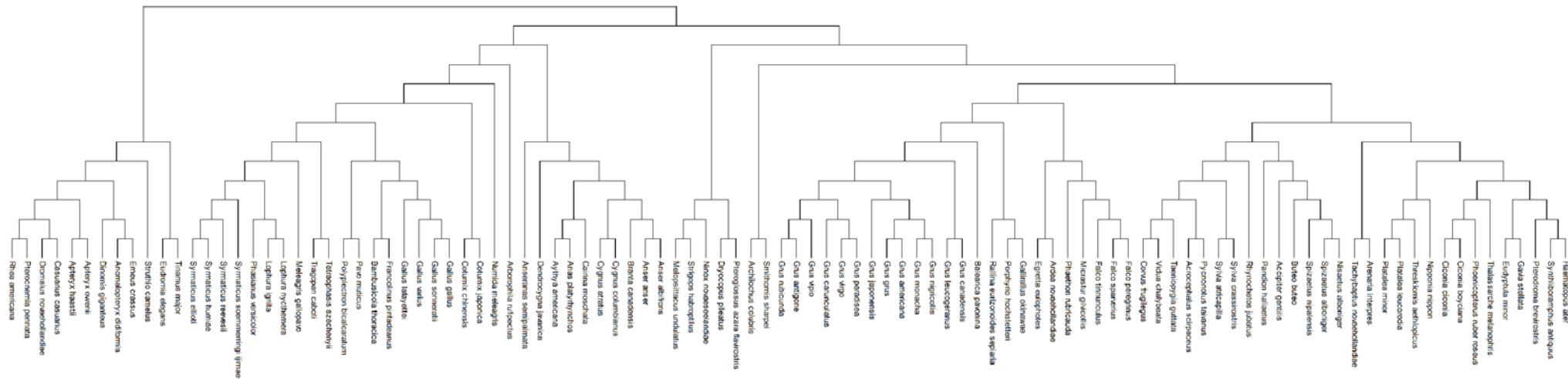
**Figure C.71: Phylogenetic tree reconstruction of the 450 bp segment from the ND2 gene, at base positions 1-450**



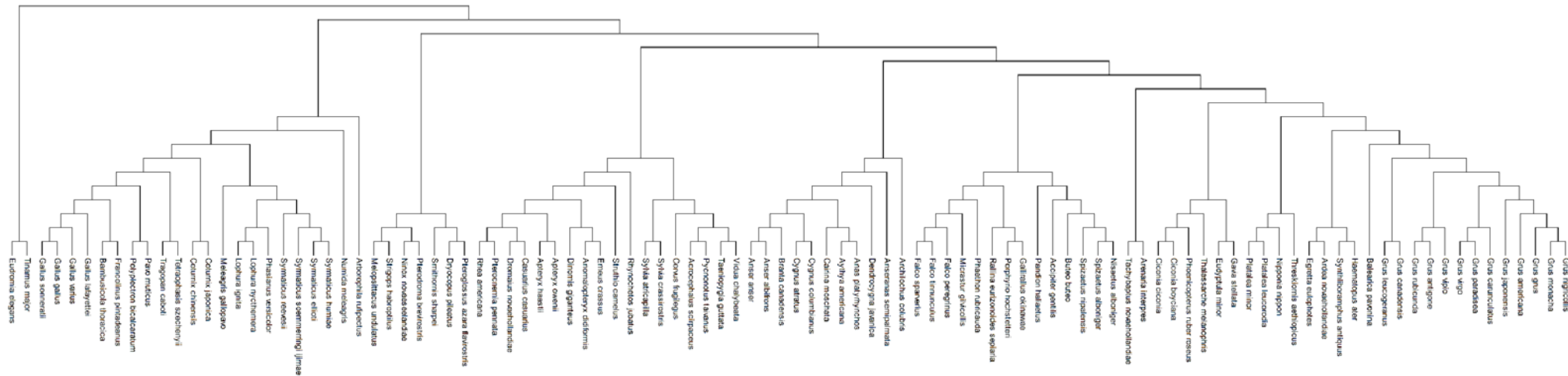
**Figure C.72: Phylogenetic tree reconstruction of the 450 bp segment from the ND2 gene, at base positions 101-550**



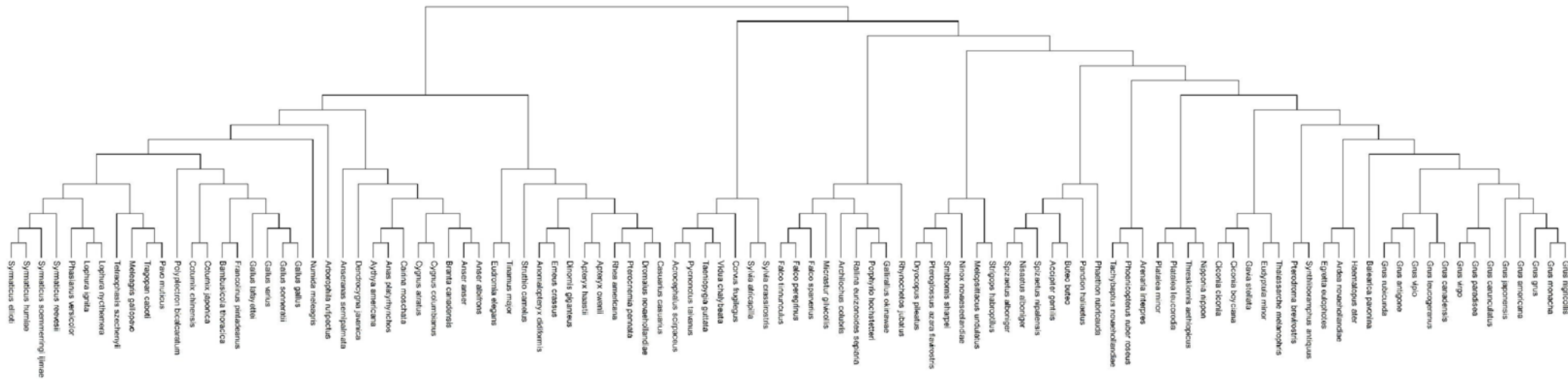
**Figure C.73: Phylogenetic tree reconstruction of the 450 bp segment from the ND2 gene, at base positions 201-650**



**Figure C.74: Phylogenetic tree reconstruction of the 450 bp segment from the ND2 gene, at base positions 301-750**

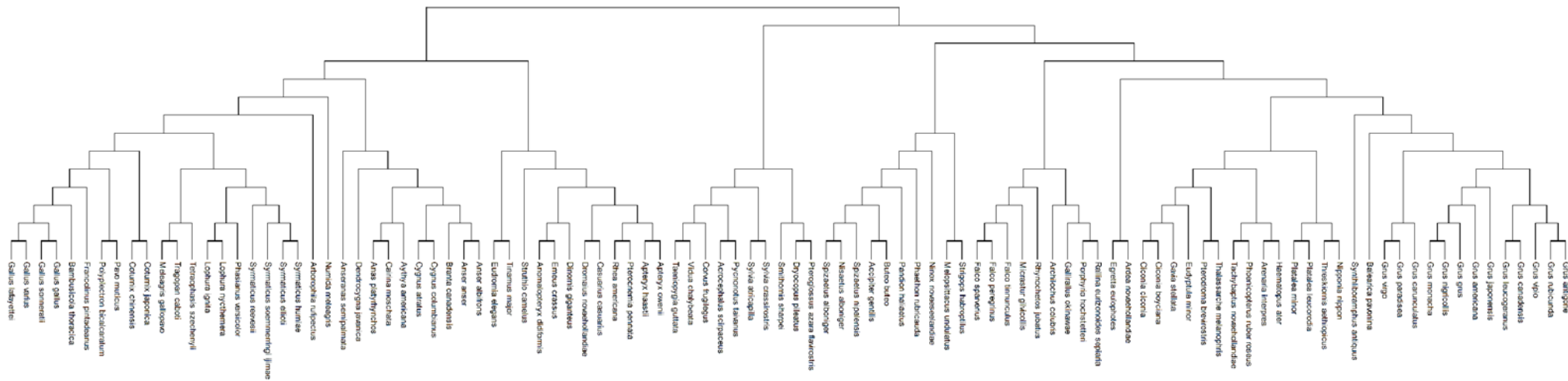


**Figure C.75: Phylogenetic tree reconstruction of the 450 bp segment from the ND2 gene, at base positions 401-850**

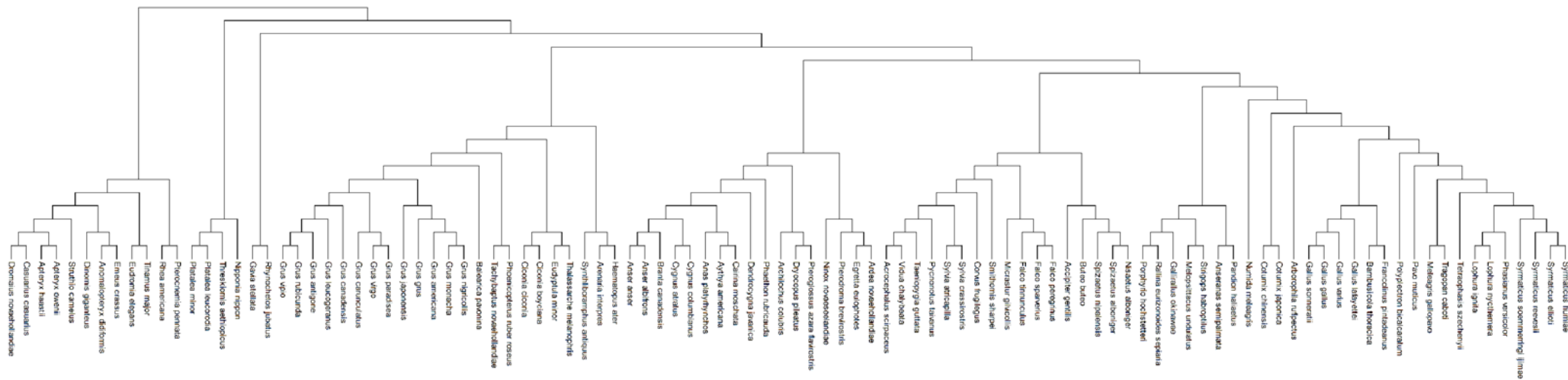


**Figure C.76: Phylogenetic tree reconstruction of the 450 bp segment from the ND2 gene, at base positions 501-950**

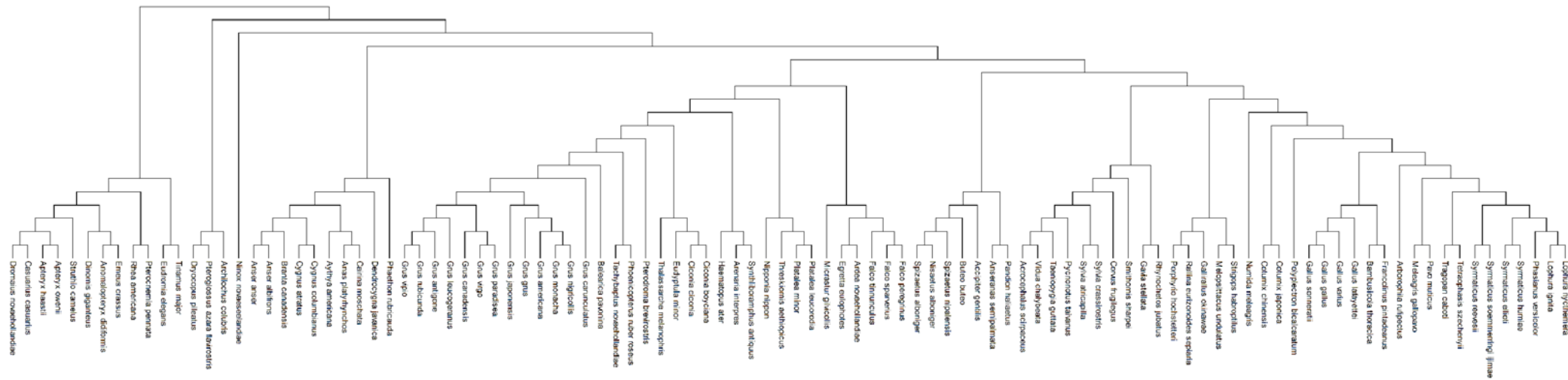




**Figure C.77: Phylogenetic tree reconstruction of the 450 bp segment from the ND2 gene, at base positions 601-1041**



**Figure C.78: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 1-450**



**Figure C.79: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 101-550**

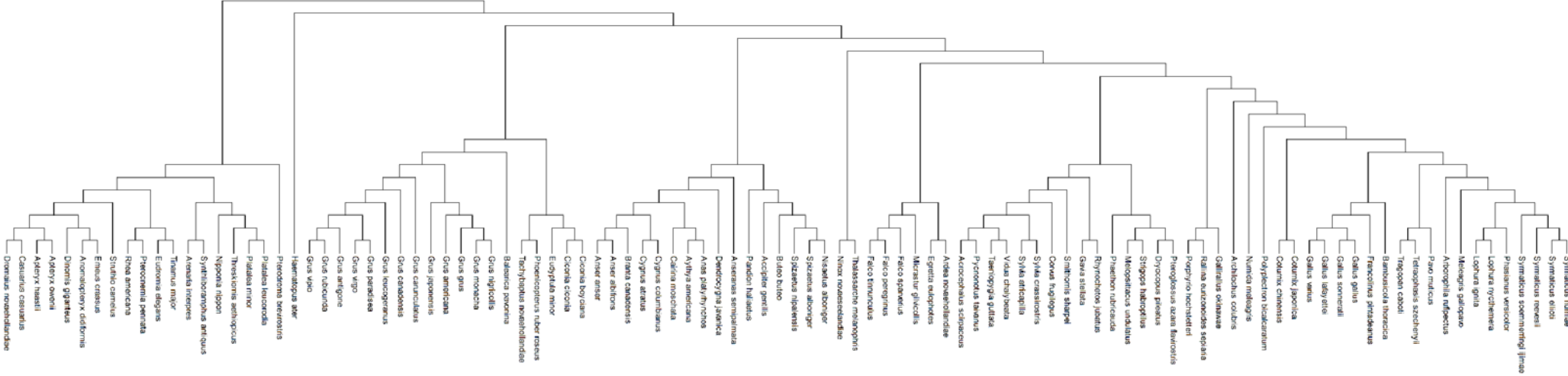
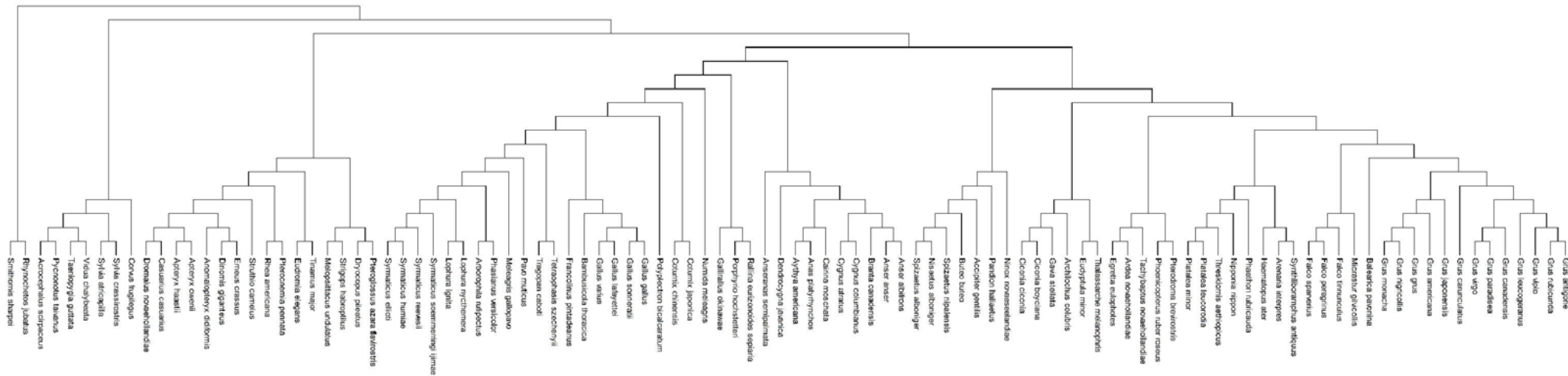
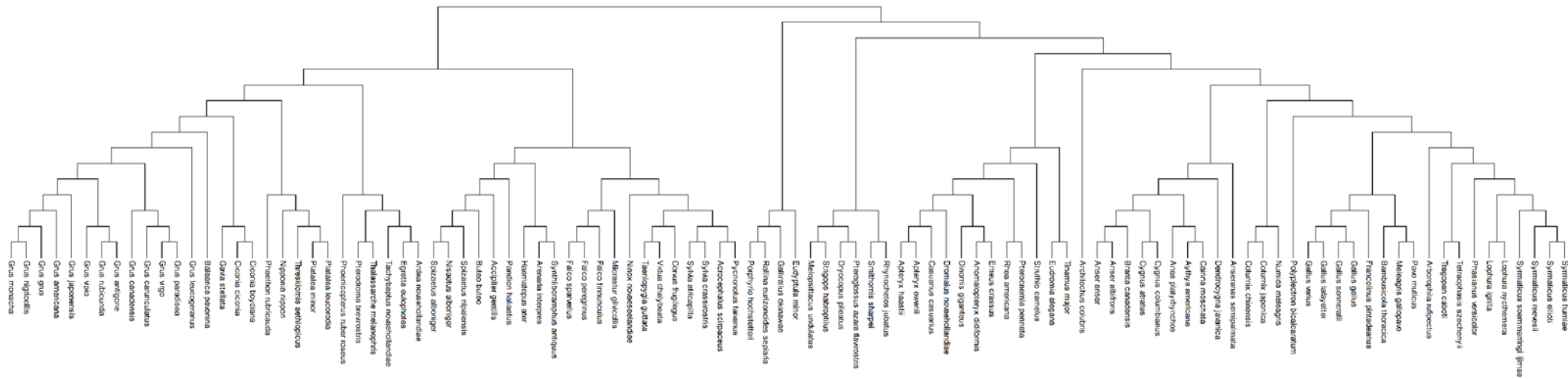


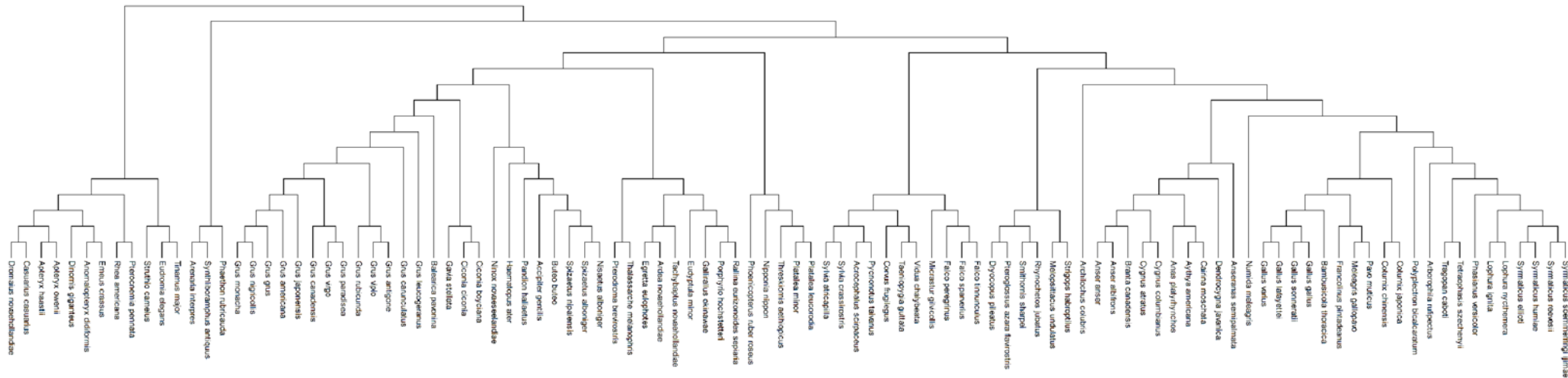
Figure C.80: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 201-650



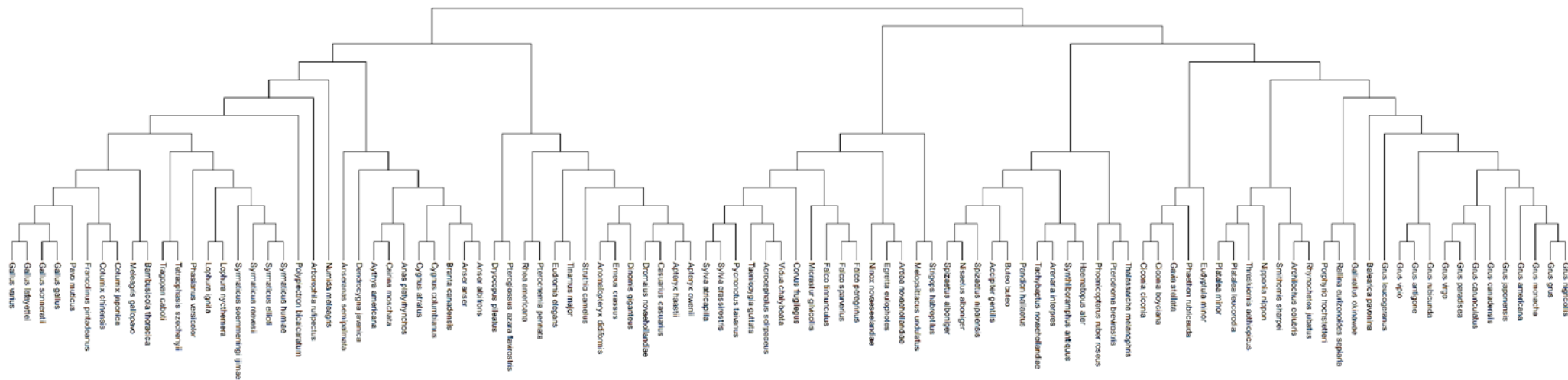
**Figure C.81: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 301-750**



**Figure C.82: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 401-850**

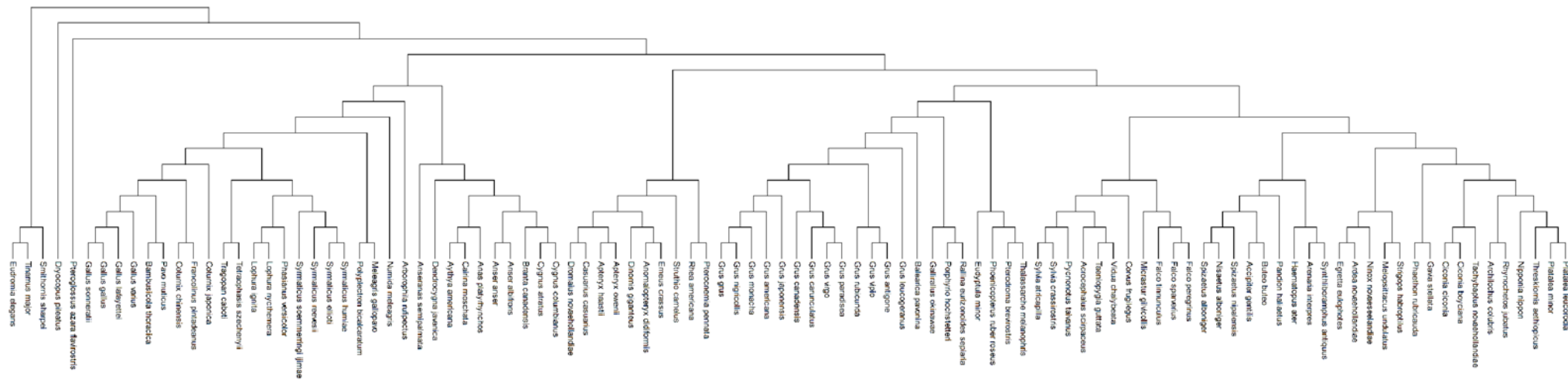


**Figure C.83: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 501-950**

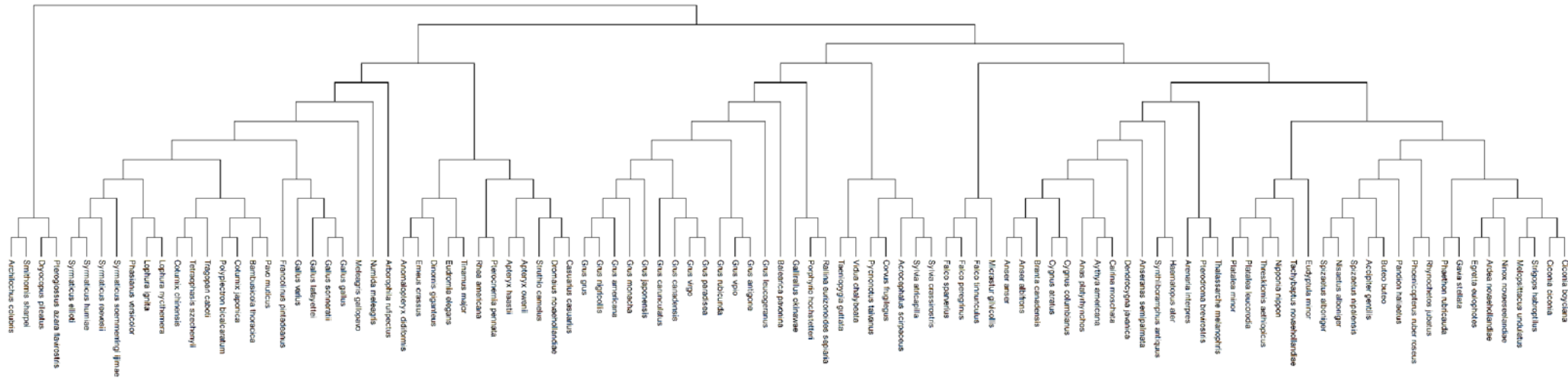


**Figure C.84: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 601-1050**

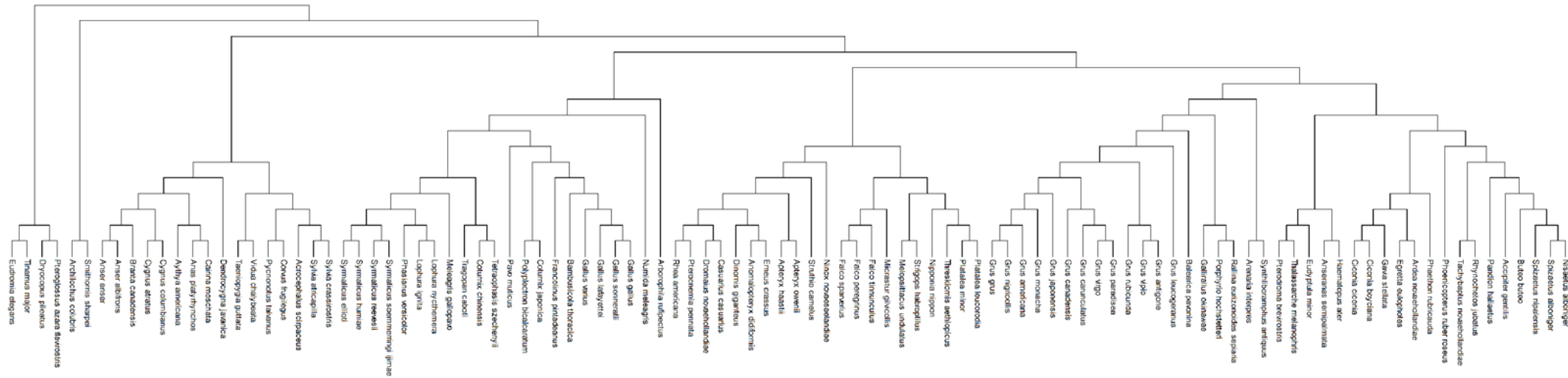




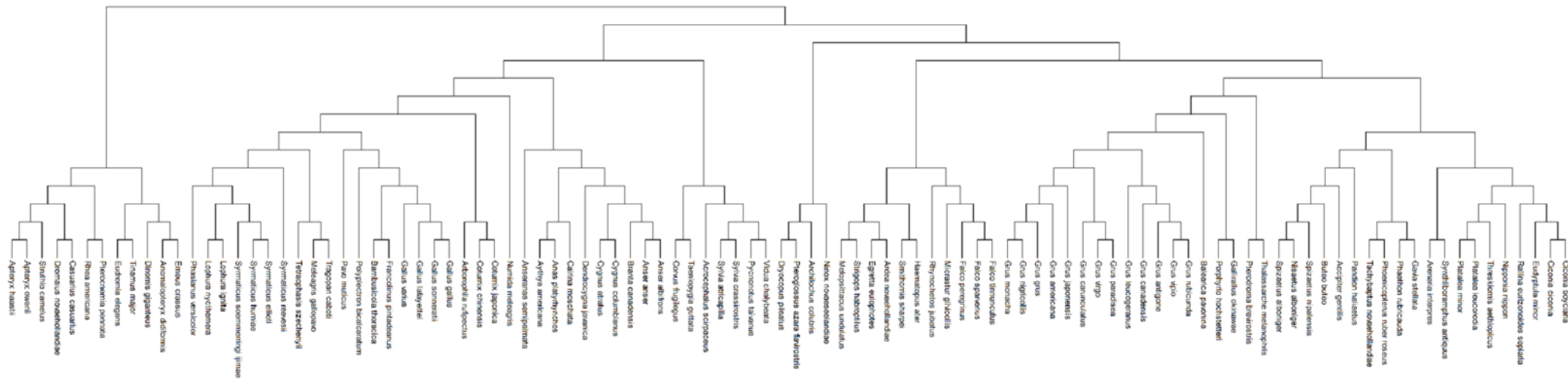
**Figure C.85: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 701-1150**



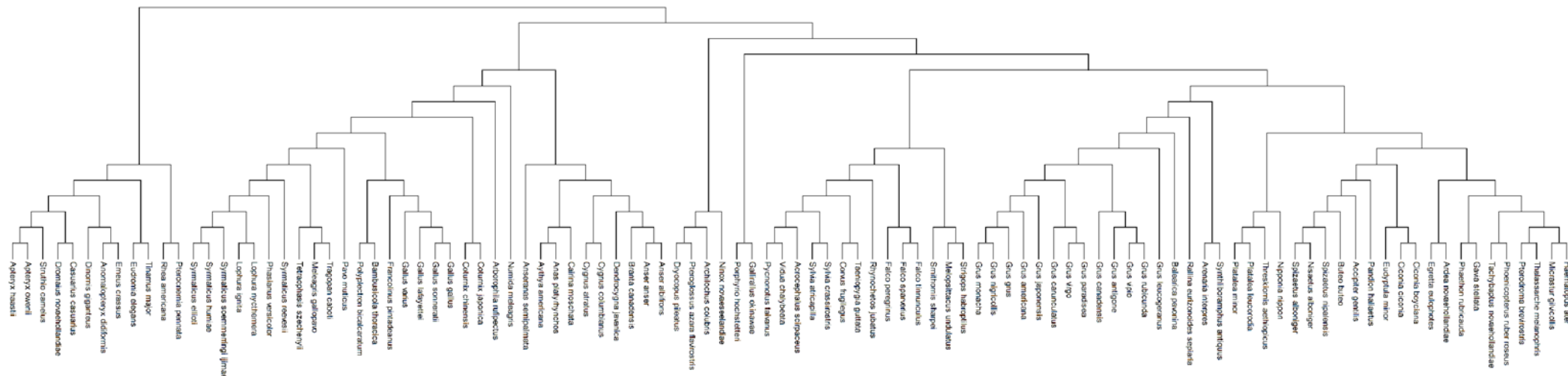
**Figure C.86: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 801-1250**



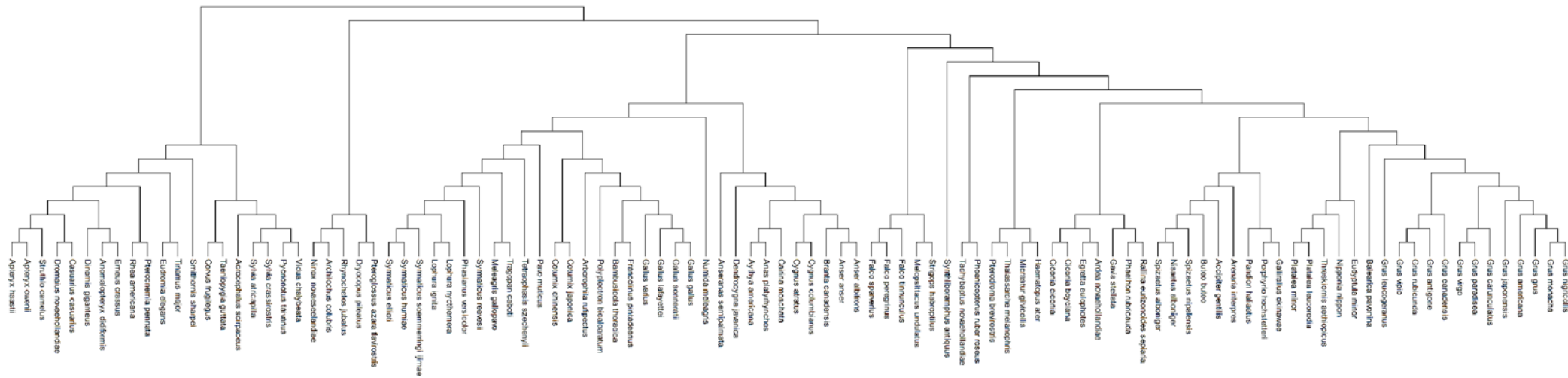
**Figure C.87: Phylogenetic tree reconstruction of the 450 bp segment from the ND4 gene, at base positions 901-1375**



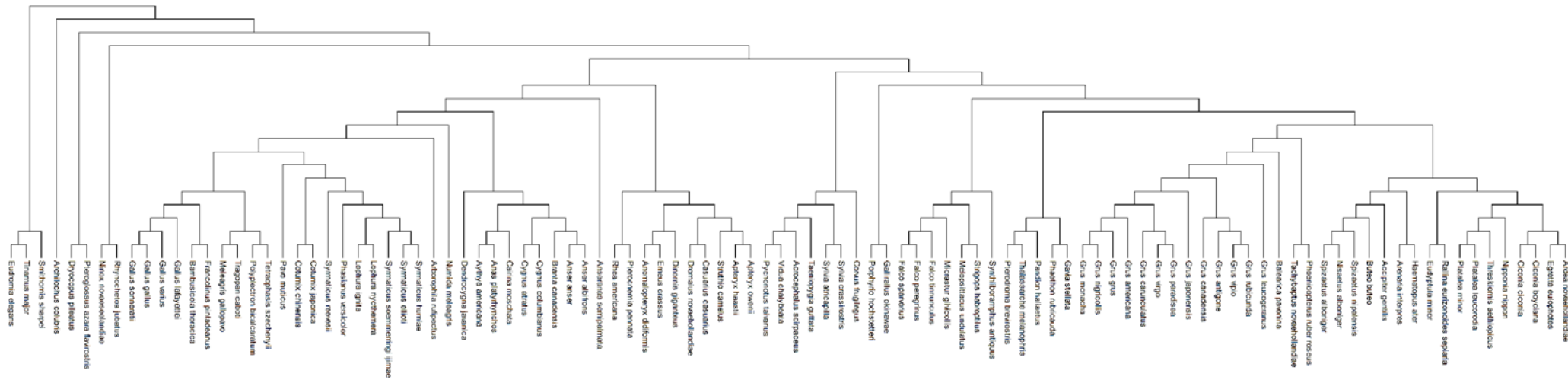
**Figure C.88: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 1-450**



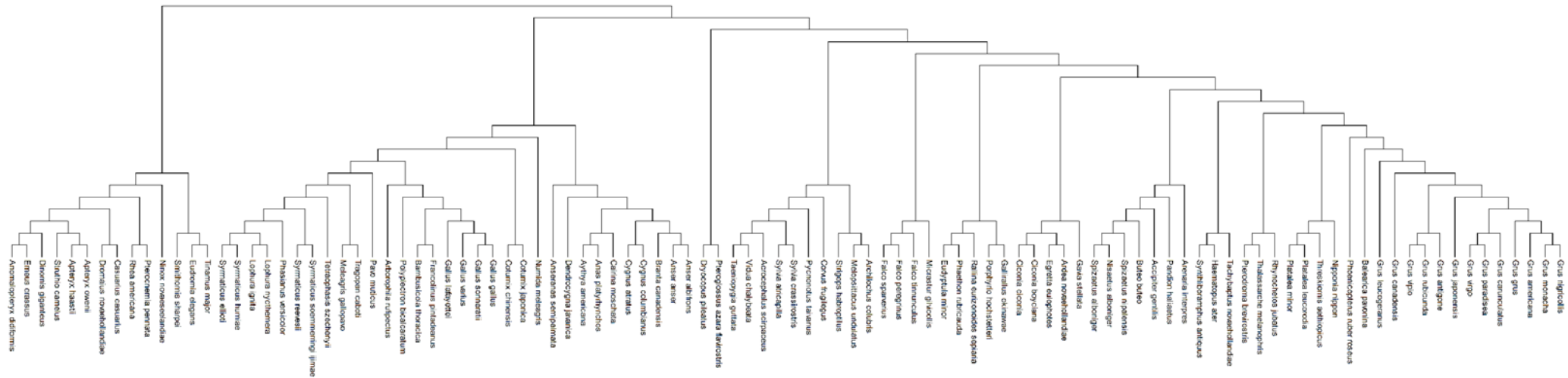
**Figure C.89: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 101-550**



**Figure C.90: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 201-650**

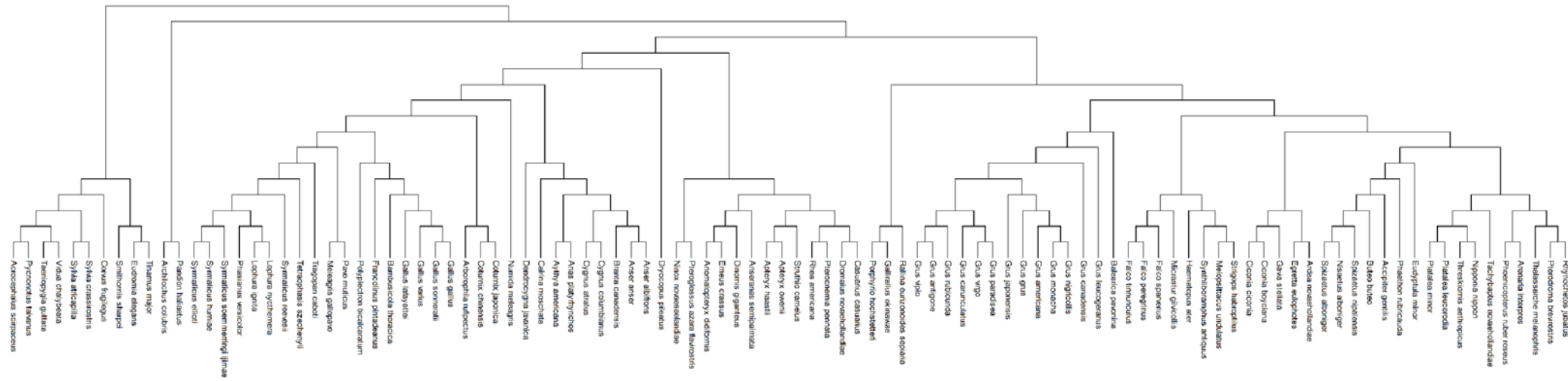


**Figure C.91: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 301-750**

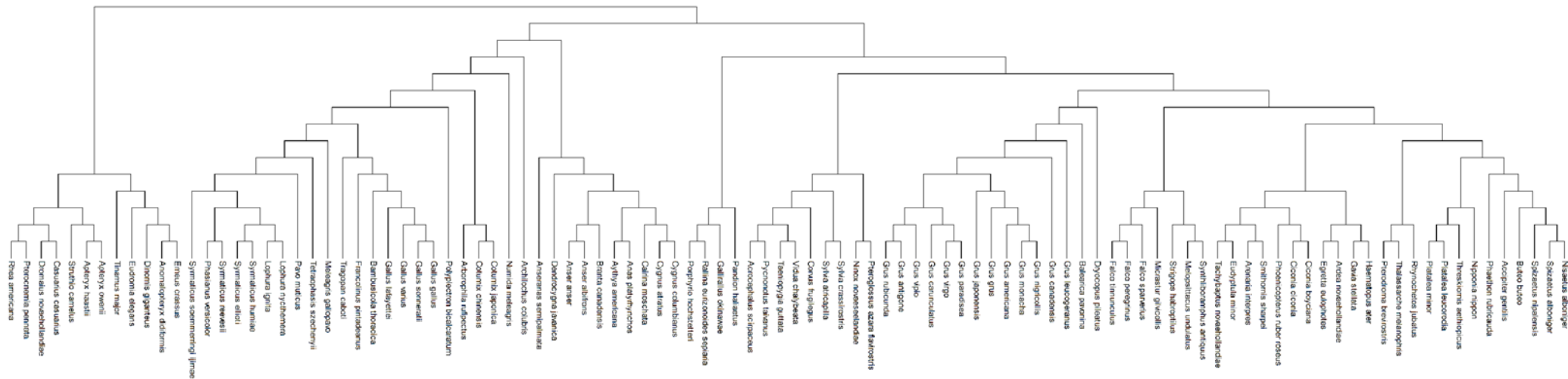


**Figure C.92: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 401-850**

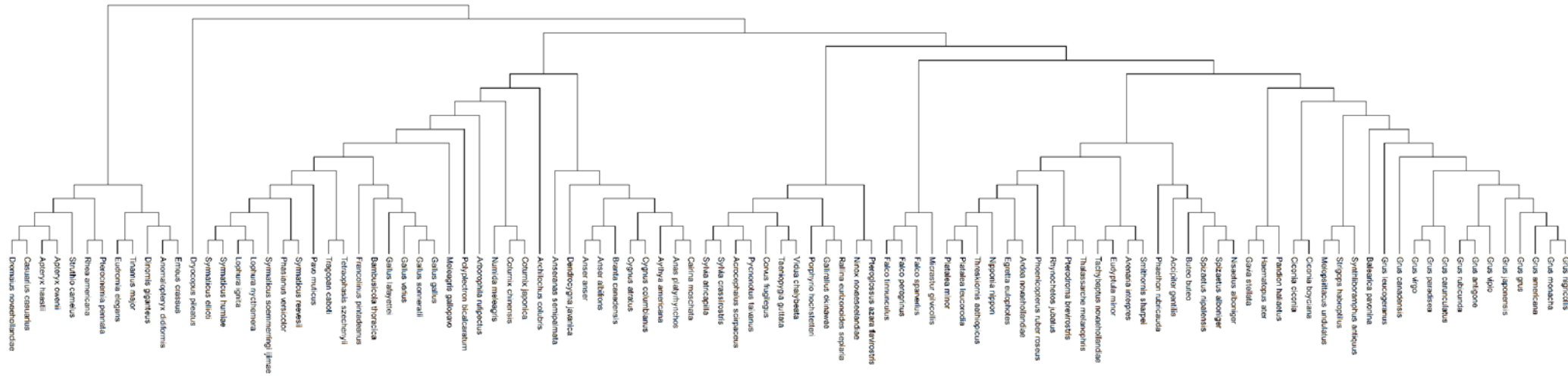




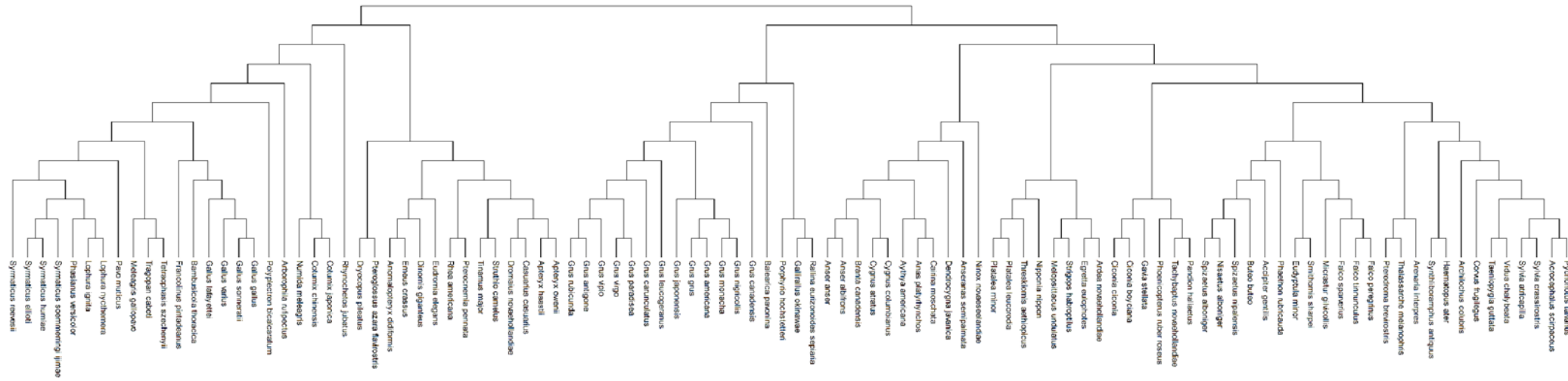
**Figure C.93: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 501-950**



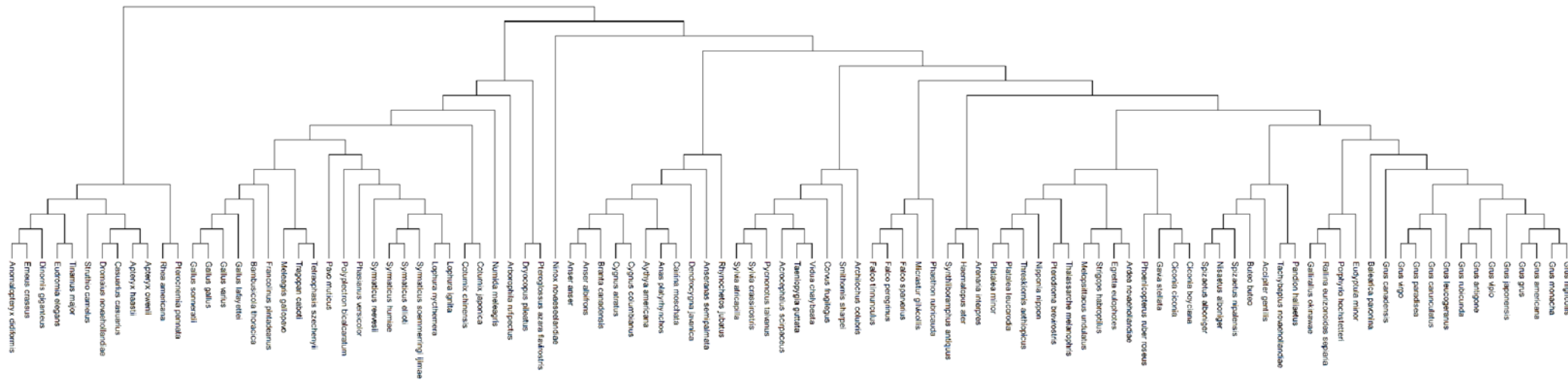
**Figure C.94: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 601-1050**



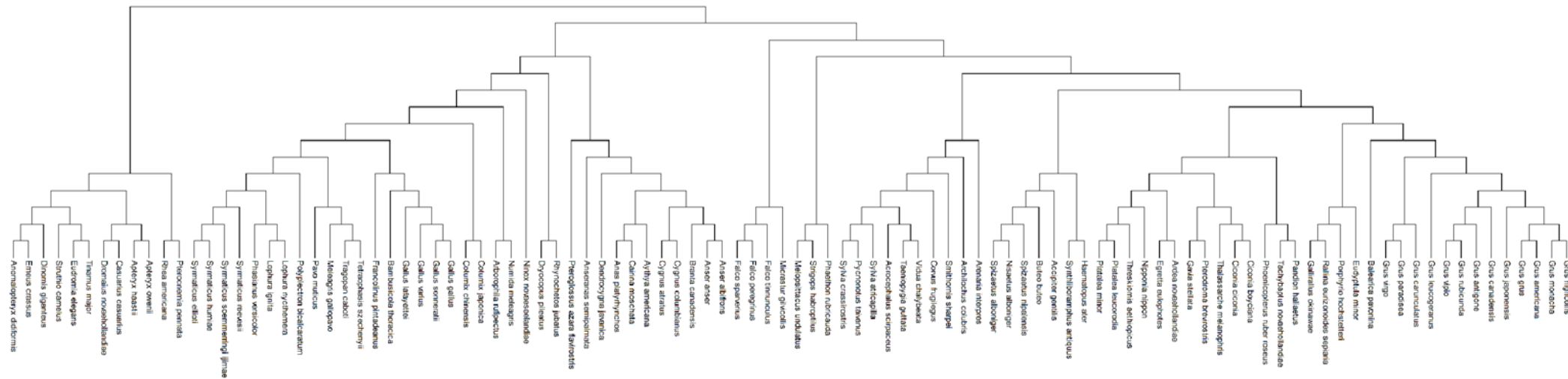
**Figure C.95: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 701-1150**



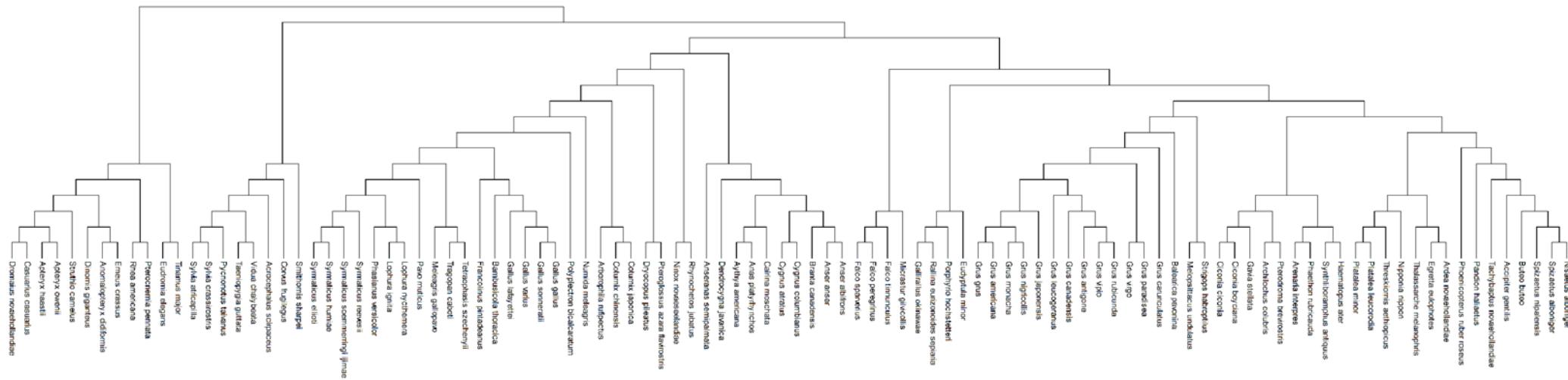
**Figure C.96: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 801-1250**



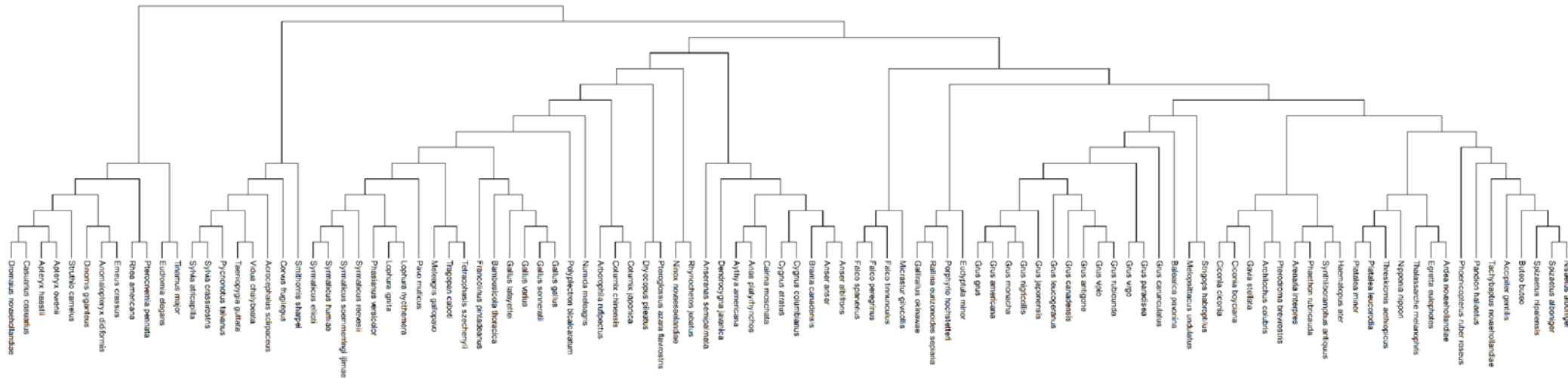
**Figure C.97: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 901-1350**



**Figure C.98: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 1001-1450**

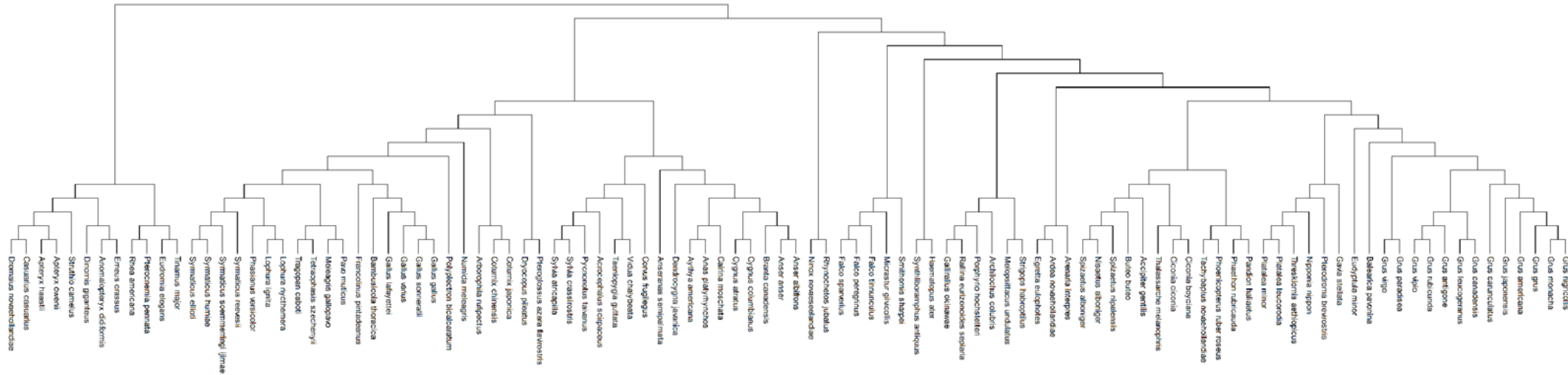


**Figure C.99: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 1101-1550**



**Figure C.100: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 1201-1650**





**Figure C.101: Phylogenetic tree reconstruction of the 450 bp segment from the ND5 gene, at base positions 1301-1800**

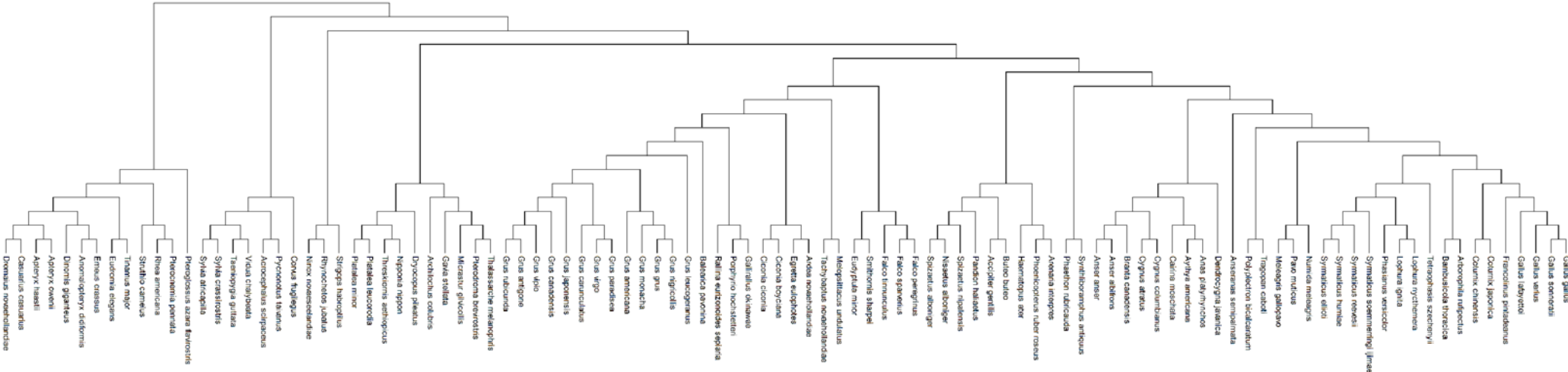
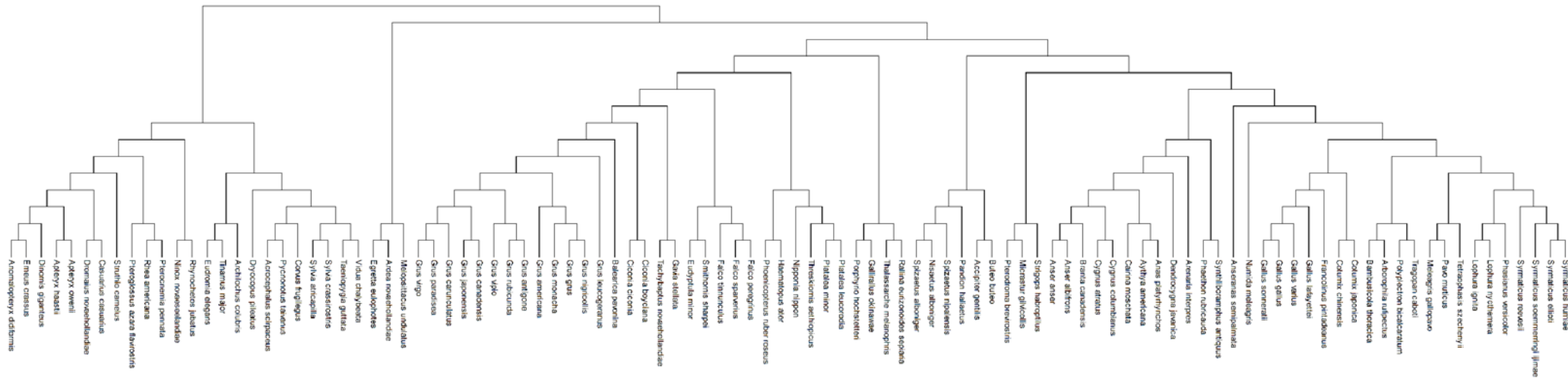
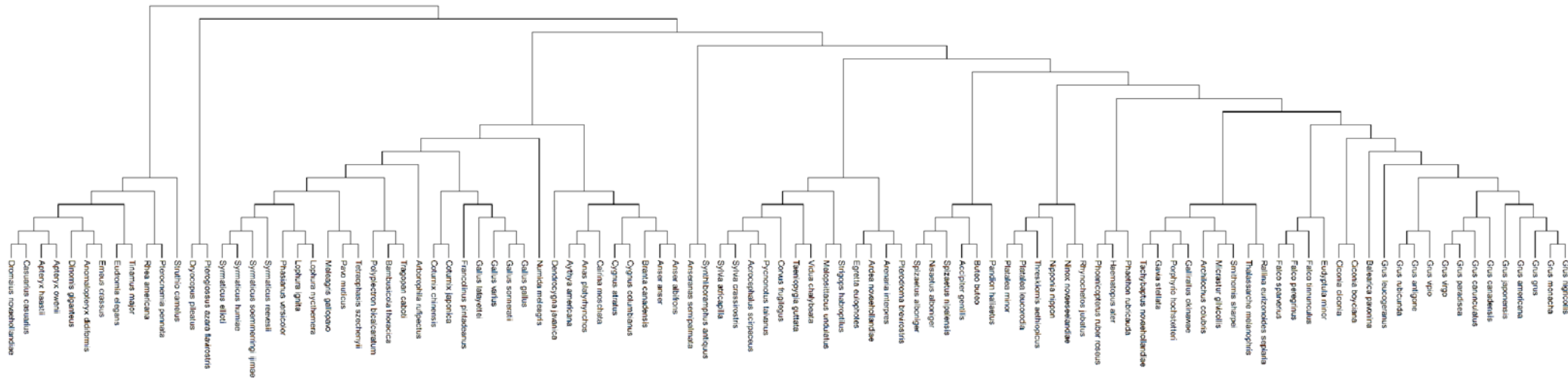


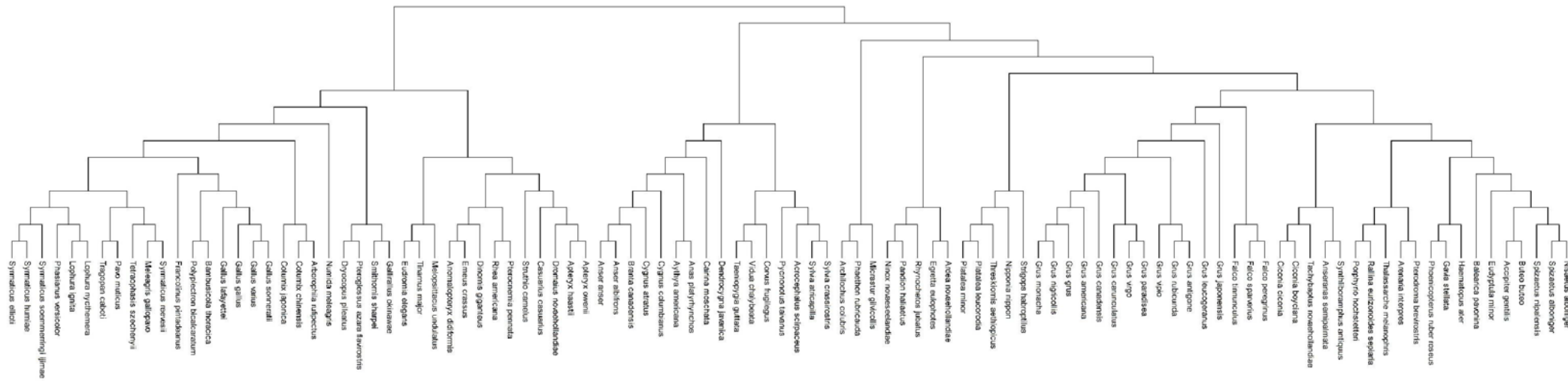
Figure C.102: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 1-450



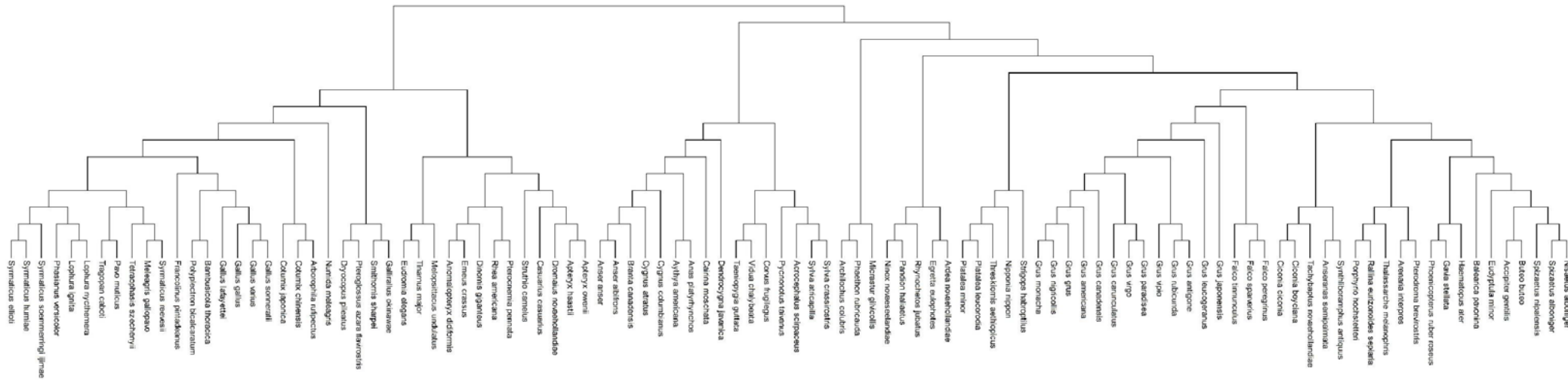
**Figure C.103: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 101-550**



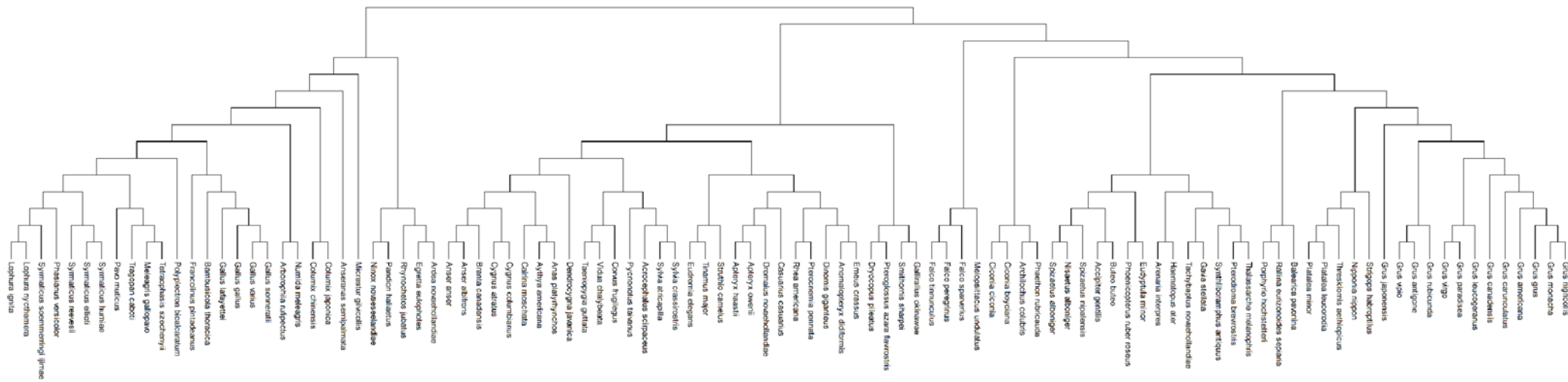
**Figure C.104: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 201-650**



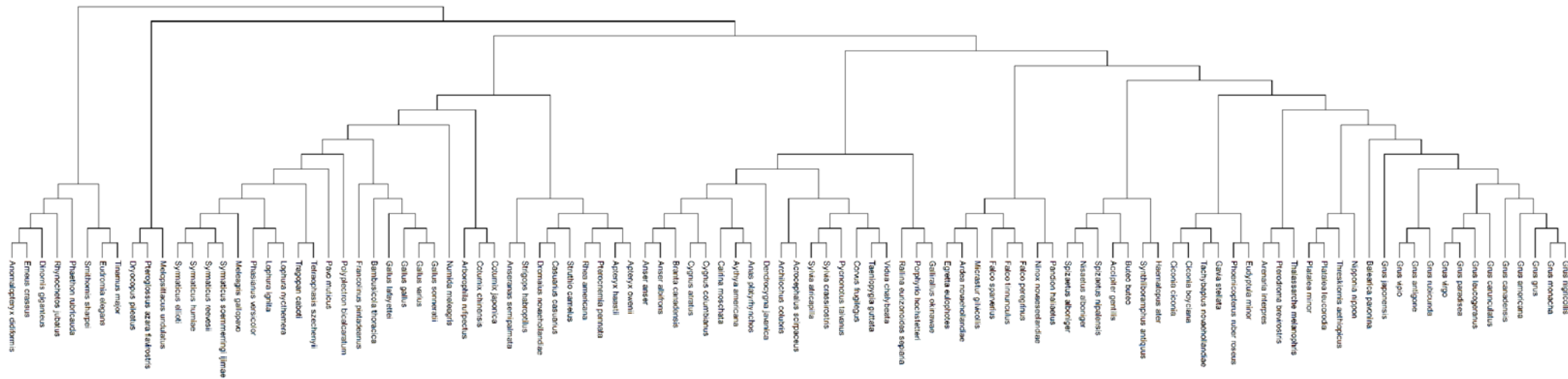
**Figure C.105: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 301-750**



**Figure C.106: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 401-850**

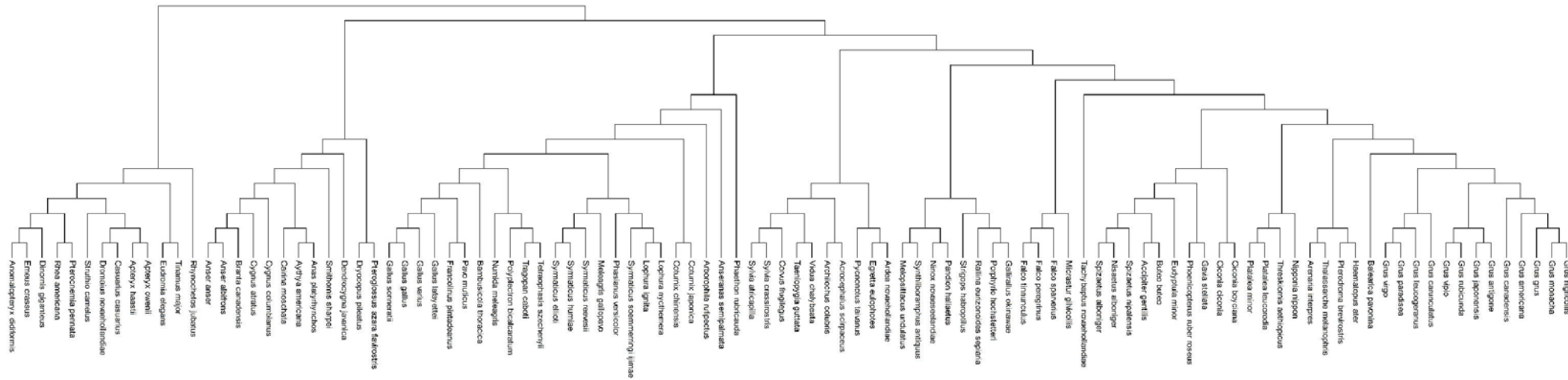


**Figure C.107: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 501-950**

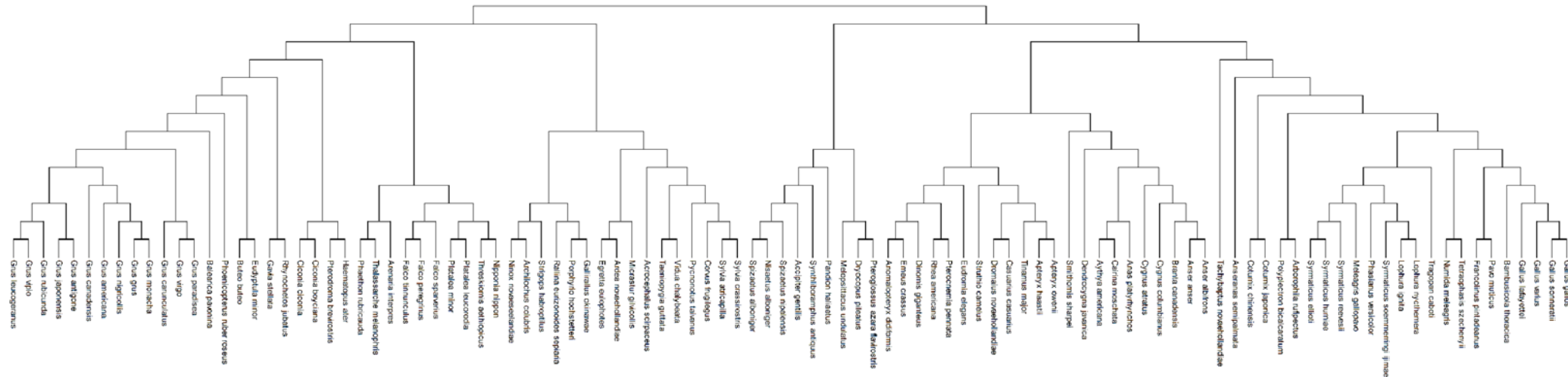


**Figure C.108: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 601-1050**

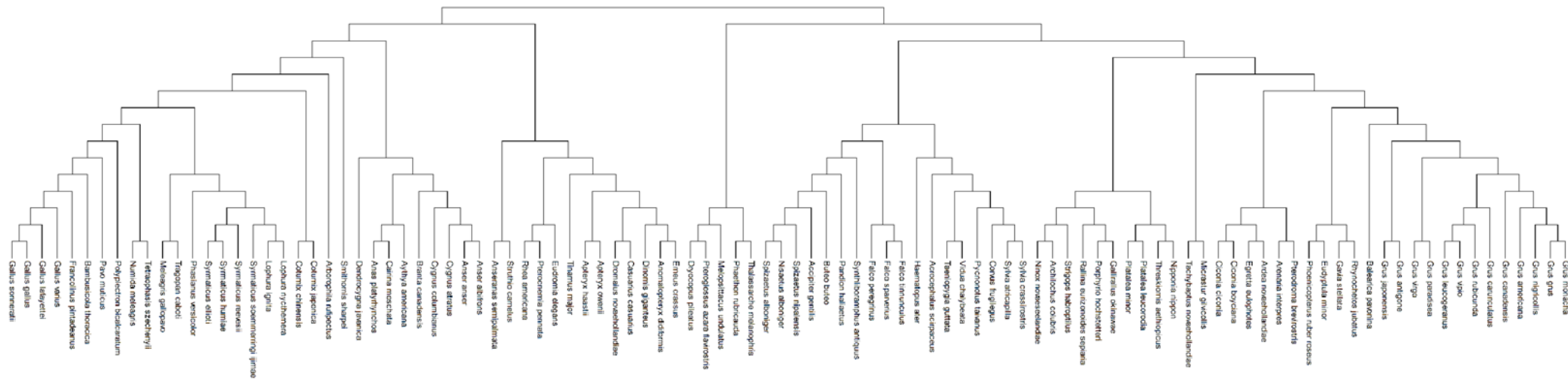




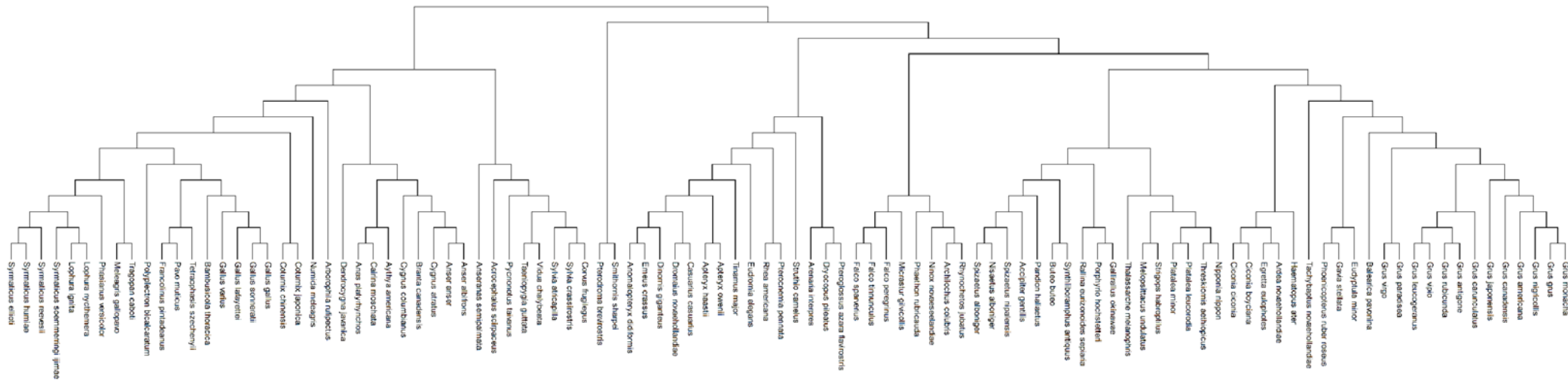
**Figure C.109: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 701-1150**



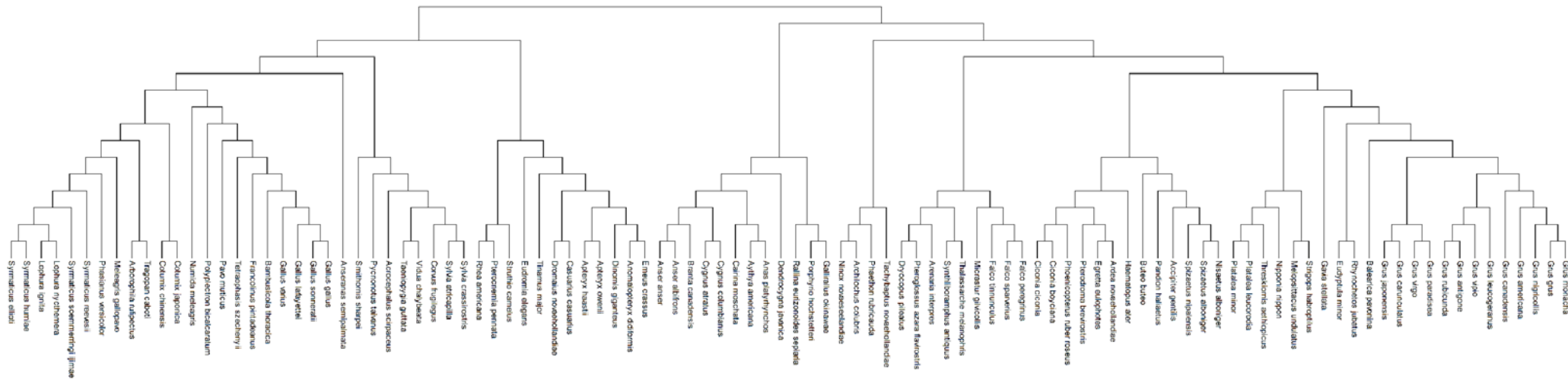
**Figure C.110: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 801-1250**



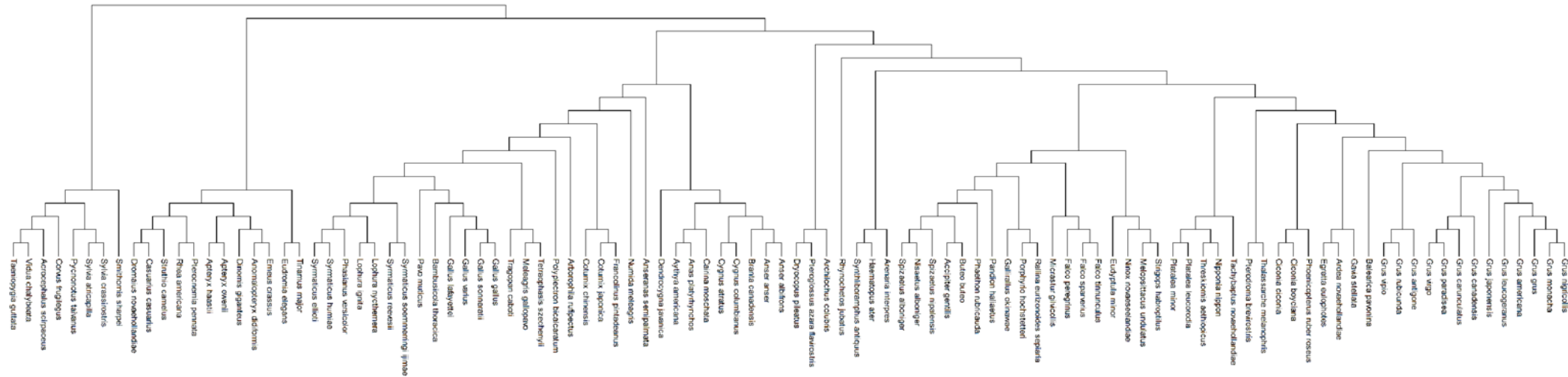
**Figure C.111: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 901-1350**



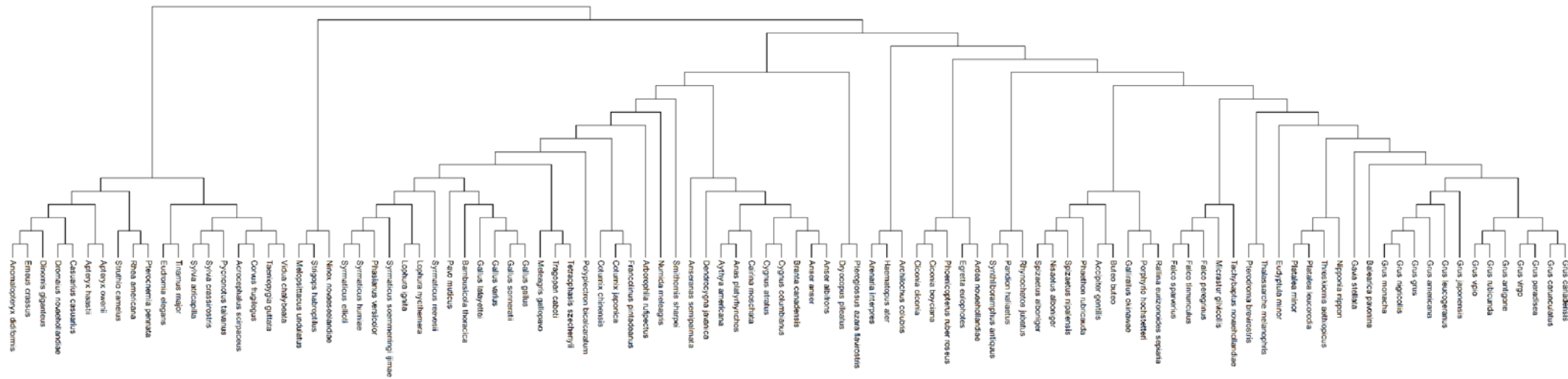
**Figure C.112: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 1001-1450**



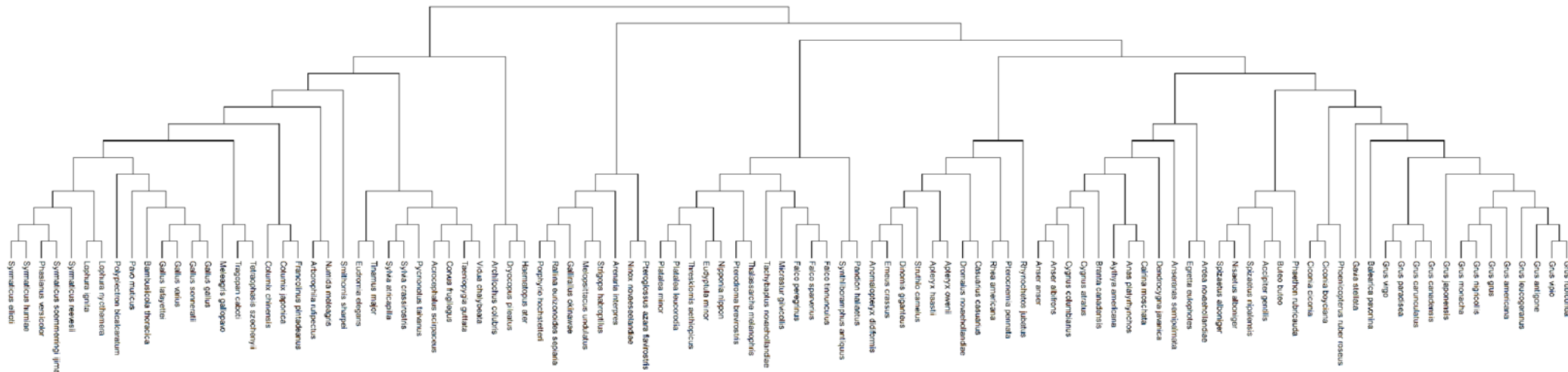
**Figure C.113: Phylogenetic tree reconstruction of the 450 bp segment from the COI gene, at base positions 1101-1551**



**Figure C.114: Phylogenetic tree reconstruction of the 450 bp segment from the *cyt b* gene, at base positions 1-450**

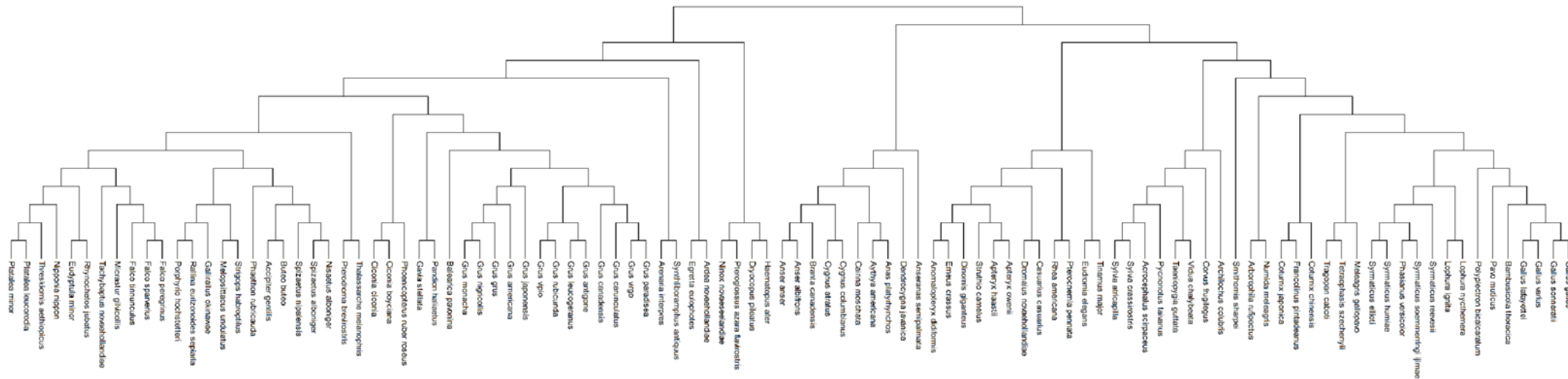


**Figure C.115: Phylogenetic tree reconstruction of the 450 bp segment from the *cyt b* gene, at base positions 101-550**

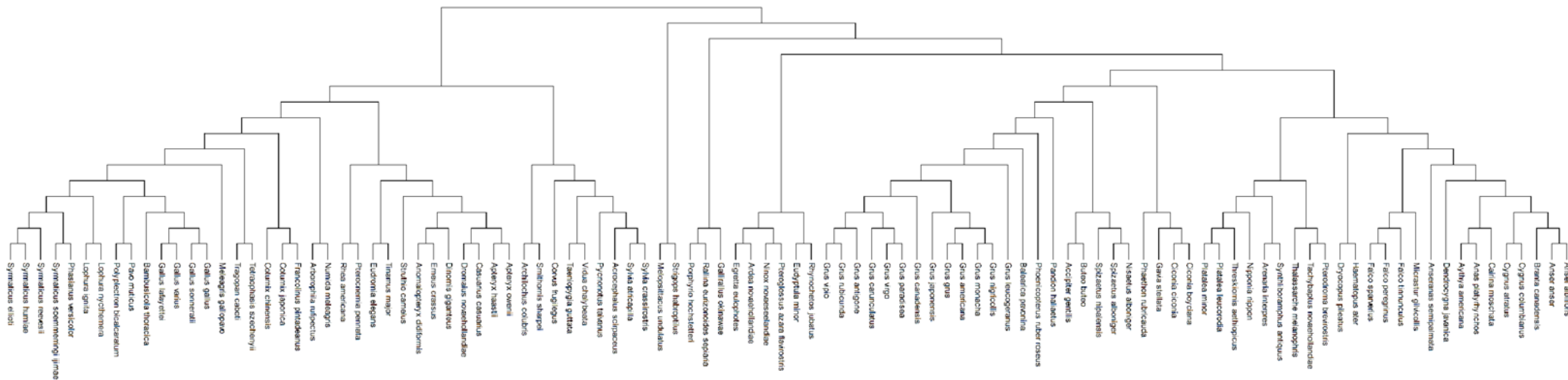


**Figure C.116: Phylogenetic tree reconstruction of the 450 bp segment from the *cyt b* gene, at base positions 201-650**

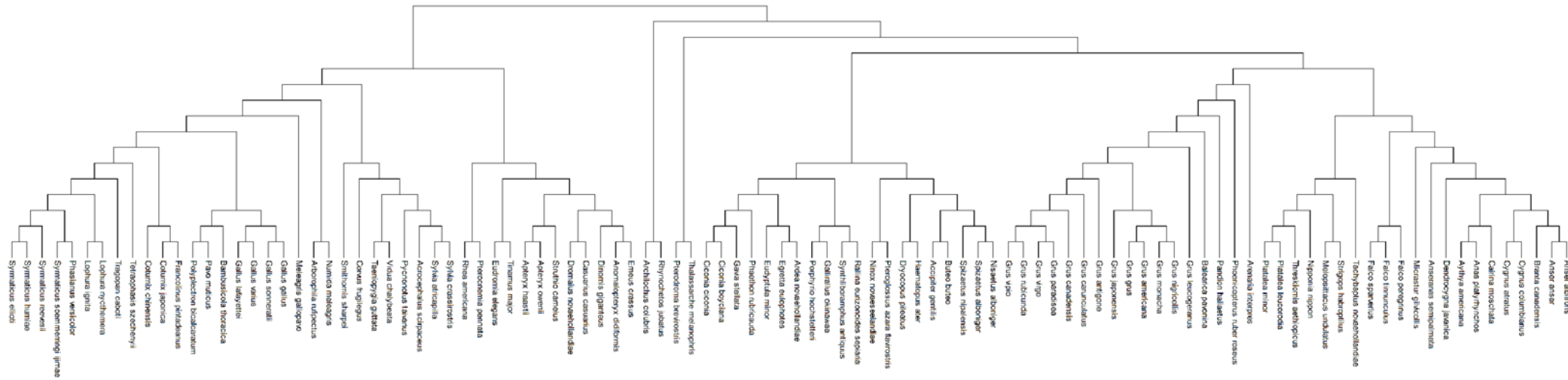




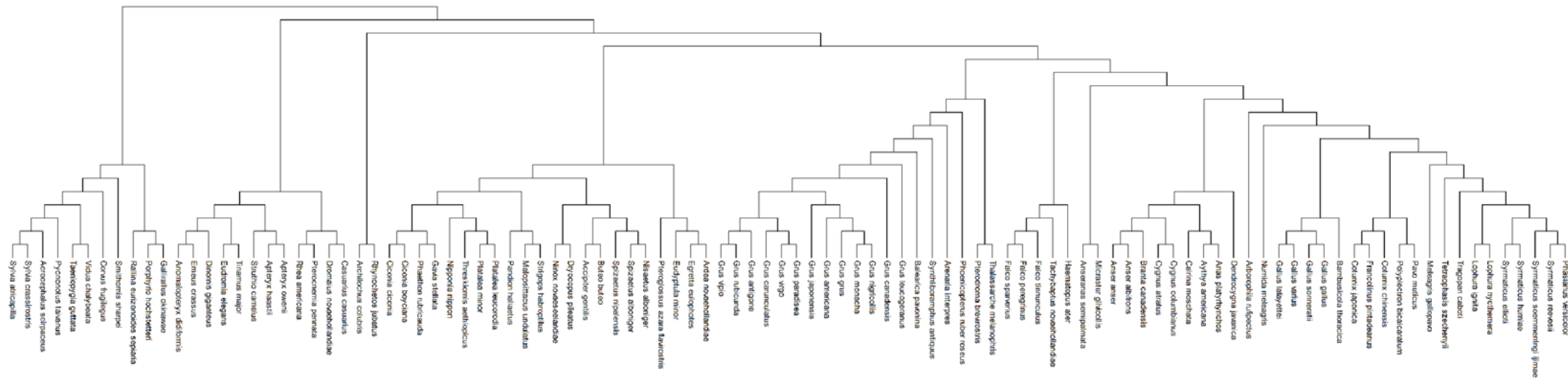
**Figure C.117: Phylogenetic tree reconstruction of the 450 bp segment from the *cyt b* gene, at base positions 301-750**



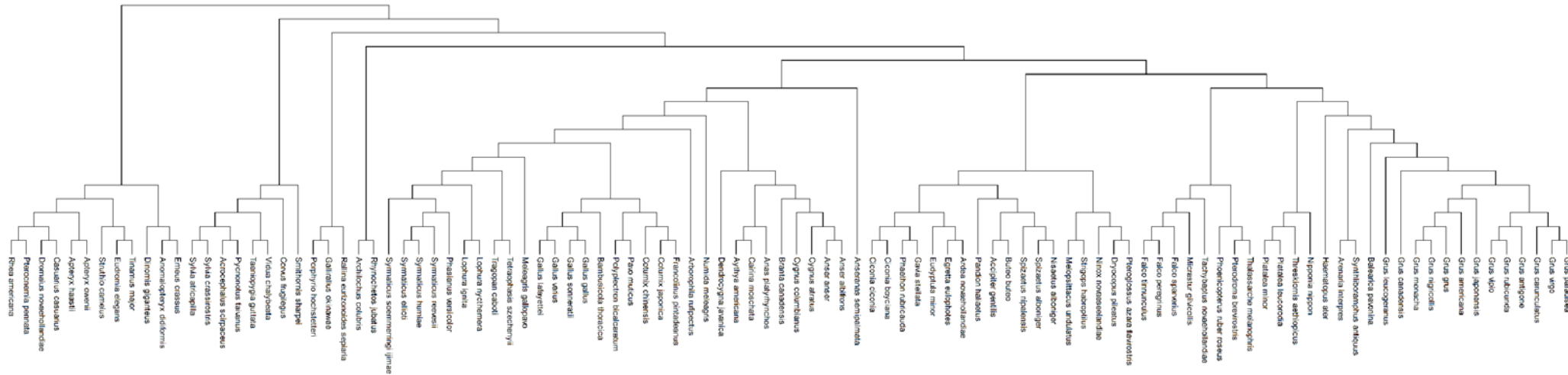
**Figure C.118: Phylogenetic tree reconstruction of the 450 bp segment from the *cyt b* gene, at base positions 401-850**



**Figure C.119: Phylogenetic tree reconstruction of the 450 bp segment from the cyt *b* gene, at base positions 501-950**



**Figure C.120: Phylogenetic tree reconstruction of the 450 bp segment from the *cyt b* gene, at base positions 601-1050**



**Figure C.121: Phylogenetic tree reconstruction of the 450 bp segment from the *cyt b* gene, at base positions 701-1143**