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| **DNA dataset** | **Hypothesis** | **AU** |
| nu\_vs\_mt | C is basal clade | H0 | 0.217 |
| nu\_vs\_mt | A + B + C + D + E as on Fig. 3 | H1 | 0.783 |
| nu\_vs\_mt | B + C are basal | H0 | 0.277 |
| nu\_vs\_mt | A + B + C + D + E as on Fig. 3 | H1 | 0.723 |
| nu\_vs\_mt | D + (F–J) | H0 | 0.217 |
| nu\_vs\_mt | D + (A–C) as on Fig. 3 | H1 | 0.815 |
| nu\_vs\_mt | D + H | H0 | 0.000 |
| nu\_vs\_mt | D + (A–C) as on Fig. 3 | H1 | 0.670 |
| nu\_vs\_mt | E + I + J | H0 | 0.000 |
| nu\_vs\_mt | A + B + C + D + E as on Fig. 3 | H1 | 0.993 |
| nu\_vs\_mt | B is basal | H0 | 0.518 |
| nu\_vs\_mt | A + B + C + D + E as on Fig. 3 | H1 | 0.482 |
| nu\_vs\_mt | strauchi+ocellatus | H0 | 0.752 |
| nu\_vs\_mt | strauchi+ (H - J) as on Fig. 3 | H1 | 0.248 |
| nu\_vs\_mt | Complete nu topology (only resolved nodes) | H0 | 0.000 |
| nu\_vs\_mt | Complete mt topology (only resolved nodes) | H1 | 0.950 |
| nu\_vs\_mt | A+B+C+D | H0 | 0.000 |
| nu\_vs\_mt | as on Fig. 2 | H1 | 0.230 |
| nu\_vs\_mt | (((F + G + H + I +J)+E)+A) | H0 | 0.280 |
| nu\_vs\_mt | as on Fig. 2 | H1 | 0.720 |
| mt\_vs\_nu | A + B + C | H0 | 0.990 |
| mt\_vs\_nu | as on Fig. 2 | H1 | 0.990 |
| mt\_vs\_nu | D + F + H | H0 | 0.000 |
| mt\_vs\_nu | as on Fig. 2 | H1 | 0.996 |
| mt\_vs\_nu | A + B + C + D + E | H0 | 0.000 |
| mt\_vs\_nu | as on Fig. 2 | H1 | 0.958 |
| mt\_vs\_nu | ocellatus+ F | H0 | 0.857 |
| mt\_vs\_nu | as on Fig. 2 | H1 | 0.143 |
| mt\_vs\_nu | (A-E) + (F-J) | H0 | 0.830 |
| mt\_vs\_nu | as on Fig. 2 | H1 | 0.169 |
| mt\_vs\_nu | Complete mt topology (only resolved nodes)  | H0 | 0.000 |
| mt\_vs\_nu | Complete nu topology (only resolved nodes) | H1 | 0.990 |
| mt\_vs\_nu | Complete mt topology (only resolved nodes) | H0 | 0.000 |
| mt\_vs\_nu | Complete nu topology (only resolved nodes) | H1 | 0.990 |
| mt\_vs\_nu | D + F + H | H0 | 0.000 |
| mt\_vs\_nu | as on Fig. 3 | H1 | 0.230 |
| mt\_vs\_nu | (((F + G + H + I +J)+E)+A) | H0 | 0.490 |
| mt\_vs\_nu | as on Fig. 3 | H1 | 0.500 |