

Supplementary Table S4. Support for species from three concatenated genes and from single genes only

species	mb 1	mb 2	p4 0	p4 1	p4 2	p4 3	p4 4
Analysis of all three genes, in 8 data partitions							
<i>An albertoi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An albitarsis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An antunesi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An argyritarsis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An arthuri</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An atacemensis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An benarrochi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An braziliensis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An darlingi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An deaneorum</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An dunhami</i>	1.0	0.956	1.0	1.0	1.0	1.0	1.0
<i>An evansae</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An galvaoi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An goeldii</i>	0.704	0.708	0.790	0.768	0.690	0.600	0.774
<i>An guarani</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An konderi ss</i>	1.0	0.984	0.994	1.0	0.980	0.998	0.994
<i>An konderi A</i>	0.992	1.0	0.998	1.0	0.996	0.990	0.996
<i>An lanei</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An lutzii B</i>	0.720	0.664	0.656	0.664	0.686	0.714	0.732
<i>An lutzii A</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An lutzii ss</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An marajoara</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An nuneztovari</i>	0.996	0.980	0.970	0.990	0.992	0.998	0.988
<i>An osvaldoi A</i>	0.996	1.0	0.996	1.0	0.998	1.0	0.996
<i>An osvaldoi ss</i>	0.720	0.664	0.800	1.0	0.668	0.902	0.642
<i>An parvus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An pristinus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An rangeli</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An rondoni</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An strodei</i>	1.0	0.996	0.922	0.828	0.998	0.906	0.380
<i>An strodei CPform</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An triannulatus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Analysis of the white gene only, in 3 data partitions							
<i>An albitarsis</i>	0.996	0.992	0.992	0.992	0.990	0.990	0.990
<i>An antunesi</i>	0.980	0.980	0.974	0.980	0.974	0.982	0.976
<i>An argyritarsis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An arthuri</i>	0.612	0.604	0.610	0.664	0.630	0.634	0.586
<i>An benarrochi</i>	1.0	0.996	0.998	0.996	1.0	1.0	1.0
<i>An braziliensis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An darlingi</i>	1.0	1.0	0.996	1.0	1.0	0.996	1.0
<i>An deaneorum</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An dunhami</i>	0.180	0.180	0.220	0.236	0.254	0.238	0.262
<i>An evansae</i>	0.780	0.784	0.730	0.774	0.832	0.826	0.764
<i>An galvaoi</i>	0.996	0.984	0.992	0.992	0.996	0.996	0.996
<i>An goeldii</i>	0.364	0.376	0.302	0.390	0.300	0.398	0.380
<i>An konderi ss</i>	0.016	0.024	0.010	0.014	0.018	0.006	0.016
<i>An konderi A</i>	0.024	0.064	0.078	0.104	0.066	0.072	0.088
<i>An lutzii B</i>	1.0	1.0	0.998	0.998	0.996	0.998	0.998
<i>An lutzii A</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An lutzii ss</i>	0.996	0.992	0.994	0.990	0.992	0.992	0.996
<i>An marajoara</i>	0.020	0.040	0.034	0.030	0.032	0.062	0.032
<i>An nuneztovari</i>	0.988	0.992	0.996	0.986	0.998	0.992	0.994
<i>An osvaldoi A</i>	0.132	0.096	0.124	0.132	0.138	0.164	0.152
<i>An osvaldoi ss</i>	0.908	0.880	0.924	0.898	0.884	0.886	0.900
<i>An parvus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An pristinus</i>	0.992	0.964	0.976	0.978	0.992	0.980	0.982
<i>An rangeli</i>	0.980	0.976	0.958	0.942	0.950	0.964	0.928
<i>An rondoni</i>	1.0	0.988	0.980	0.984	0.994	0.994	0.996
<i>An strodei</i>	0.004	0.024	0.008	0.018	0.006	0.010	0.010
<i>An strodei CPform</i>	0.996	1.0	0.998	0.990	0.998	0.998	1.0
<i>An triannulatus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0

species	mb 1	mb 2	p4 0	p4 1	p4 2	p4 3	p4 4
Analysis of the CAD gene only, in 3 data partitions							
<i>An albertoi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An albitarsis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An antunesi</i>	1.0	1.0	1.0	0.998	1.0	1.0	1.0
<i>An argyritarsis</i>	1.0	1.0	0.954	1.0	0.980	1.0	0.972
<i>An arthuri</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An benarrochi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An braziliensis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An darlingi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An deaneorum</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An dunhami</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An evansae</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An galvaoi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An goeldii</i>	0.0	0.520	0.026	1.0	0.928	0.010	0.004
<i>An konderi ss</i>	0.972	1.0	0.870	0.974	0.922	0.984	0.960
<i>An konderi A</i>	0.964	0.992	0.992	0.984	0.972	0.924	0.844
<i>An lanei</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An lutzii B</i>	0.076	0.084	0.130	0.118	0.116	0.122	0.124
<i>An lutzii A</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An lutzii ss</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An marajoara</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An nuneztovari</i>	0.080	0.048	0.044	0.004	0.080	0.036	0.046
<i>An osvaldoi A</i>	0.084	0.036	0.172	0.122	0.138	0.108	0.128
<i>An osvaldoi ss</i>	0.732	0.816	0.664	0.798	0.656	0.792	0.552
<i>An parvus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An pristinus</i>	1.0	1.0	1.0	0.996	1.0	1.0	1.0
<i>An rangeli</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An rondoni</i>	1.0	1.0	1.0	1.0	0.998	1.0	1.0
<i>An strodei</i>	0.852	0.976	0.776	0.862	1.0	0.864	1.0
<i>An strodei CPform</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An triannulatus</i>	1.0	1.0	0.968	1.0	0.914	1.0	0.866
Analysis of the COI gene only, in 2 data partitions							
<i>An albertoi</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>An albitarsis</i>	0.976	0.988	0.994	0.992	0.992	0.996	0.980
<i>An antunesi</i>	0.476	0.496	0.500	0.538	0.450	0.486	0.472
<i>An argyritarsis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An arthuri</i>	0.172	0.208	0.208	0.210	0.222	0.192	0.210
<i>An atacemensis</i>	1.0	0.996	0.998	0.994	0.998	0.996	1.0
<i>An benarrochi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An braziliensis</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An darlingi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An deaneorum</i>	0.932	0.936	0.958	0.956	0.964	0.958	0.978
<i>An dunhami</i>	0.228	0.236	0.308	0.256	0.330	0.270	0.270
<i>An evansae</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>An galvaoi</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An goeldii</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>An guarani</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An konderi ss</i>	0.532	0.540	0.620	0.424	0.474	0.372	0.524
<i>An konderi A</i>	0.996	0.992	0.992	1.0	0.992	0.998	0.994
<i>An lutzii B</i>	0.024	0.016	0.028	0.034	0.032	0.038	0.028
<i>An lutzii A</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An lutzii ss</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An marajoara</i>	0.956	0.940	0.952	0.920	0.944	0.956	0.928
<i>An nuneztovari</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>An osvaldoi A</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An osvaldoi ss</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>An parvus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An pristinus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An rangeli</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An rondoni</i>	0.700	0.640	0.678	0.648	0.638	0.680	0.644
<i>An strodei</i>	0.0	0.004	0.0	0.0	0.002	0.0	0.004
<i>An strodei CPform</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<i>An triannulatus</i>	1.0	1.0	1.0	1.0	1.0	1.0	1.0