**Supplementary Table 1**

Occurrence records of four holoparasitic plants and their primary hosts in China.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No. of species** | **Parasite/Host** | **Species** | **Longitude(°)** | **Latitude(°)** |
| 1 | parasite | *Cynomorium songaricum* | 75.26  | 39.73  |
| 1 | parasite | *Cynomorium songaricum* | 76.74  | 37.01  |
| 1 | parasite | *Cynomorium songaricum* | 77.54  | 37.95  |
| 1 | parasite | *Cynomorium songaricum* | 79.92  | 36.31  |
| 1 | parasite | *Cynomorium songaricum* | 80.42  | 36.29  |
| 1 | parasite | *Cynomorium songaricum* | 80.76  | 36.54  |
| 1 | parasite | *Cynomorium songaricum* | 81.70  | 37.13  |
| 1 | parasite | *Cynomorium songaricum* | 82.99  | 41.65  |
| 1 | parasite | *Cynomorium songaricum* | 85.28  | 44.88  |
| 1 | parasite | *Cynomorium songaricum* | 87.48  | 43.97  |
| 1 | parasite | *Cynomorium songaricum* | 87.52  | 44.34  |
| 1 | parasite | *Cynomorium songaricum* | 87.58  | 47.67  |
| 1 | parasite | *Cynomorium songaricum* | 87.99  | 39.52  |
| 1 | parasite | *Cynomorium songaricum* | 88.30  | 47.81  |
| 1 | parasite | *Cynomorium songaricum* | 90.05  | 44.21  |
| 1 | parasite | *Cynomorium songaricum* | 90.28  | 43.81  |
| 1 | parasite | *Cynomorium songaricum* | 92.36  | 43.26  |
| 1 | parasite | *Cynomorium songaricum* | 92.37  | 36.48  |
| 1 | parasite | *Cynomorium songaricum* | 94.63  | 35.90  |
| 1 | parasite | *Cynomorium songaricum* | 94.66  | 40.46  |
| 1 | parasite | *Cynomorium songaricum* | 94.85  | 40.39  |
| 1 | parasite | *Cynomorium songaricum* | 94.87  | 40.50  |
| 1 | parasite | *Cynomorium songaricum* | 94.93  | 36.42  |
| 1 | parasite | *Cynomorium songaricum* | 95.00  | 40.55  |
| 1 | parasite | *Cynomorium songaricum* | 95.18  | 39.44  |
| 1 | parasite | *Cynomorium songaricum* | 95.40  | 40.45  |
| 1 | parasite | *Cynomorium songaricum* | 95.57  | 40.47  |
| 1 | parasite | *Cynomorium songaricum* | 95.58  | 40.21  |
| 1 | parasite | *Cynomorium songaricum* | 95.78  | 40.55  |
| 1 | parasite | *Cynomorium songaricum* | 96.21  | 40.26  |
| 1 | parasite | *Cynomorium songaricum* | 96.45  | 36.39  |
| 1 | parasite | *Cynomorium songaricum* | 96.78  | 37.32  |
| 1 | parasite | *Cynomorium songaricum* | 96.90  | 37.32  |
| 1 | parasite | *Cynomorium songaricum* | 97.13  | 41.91  |
| 1 | parasite | *Cynomorium songaricum* | 97.33  | 37.38  |
| 1 | parasite | *Cynomorium songaricum* | 97.47  | 37.22  |
| 1 | parasite | *Cynomorium songaricum* | 97.54  | 37.20  |
| 1 | parasite | *Cynomorium songaricum* | 97.75  | 40.29  |
| 1 | parasite | *Cynomorium songaricum* | 97.93  | 36.01  |
| 1 | parasite | *Cynomorium songaricum* | 98.20  | 39.66  |
| 1 | parasite | *Cynomorium songaricum* | 98.32  | 39.65  |
| 1 | parasite | *Cynomorium songaricum* | 98.32  | 39.98  |
| 1 | parasite | *Cynomorium songaricum* | 98.68  | 39.57  |
| 1 | parasite | *Cynomorium songaricum* | 98.94  | 36.77  |
| 1 | parasite | *Cynomorium songaricum* | 99.00  | 36.81  |
| 1 | parasite | *Cynomorium songaricum* | 99.26  | 39.53  |
| 1 | parasite | *Cynomorium songaricum* | 99.33  | 36.56  |
| 1 | parasite | *Cynomorium songaricum* | 99.42  | 39.50  |
| 1 | parasite | *Cynomorium songaricum* | 99.50  | 39.38  |
| 1 | parasite | *Cynomorium songaricum* | 99.62  | 39.67  |
| 1 | parasite | *Cynomorium songaricum* | 99.75  | 38.93  |
| 1 | parasite | *Cynomorium songaricum* | 99.77  | 38.95  |
| 1 | parasite | *Cynomorium songaricum* | 99.93  | 38.93  |
| 1 | parasite | *Cynomorium songaricum* | 99.93  | 38.96  |
| 1 | parasite | *Cynomorium songaricum* | 100.10  | 39.05  |
| 1 | parasite | *Cynomorium songaricum* | 100.15  | 39.33  |
| 1 | parasite | *Cynomorium songaricum* | 100.18  | 40.02  |
| 1 | parasite | *Cynomorium songaricum* | 100.20  | 38.82  |
| 1 | parasite | *Cynomorium songaricum* | 100.40  | 38.80  |
| 1 | parasite | *Cynomorium songaricum* | 100.45  | 39.38  |
| 1 | parasite | *Cynomorium songaricum* | 100.45  | 39.05  |
| 1 | parasite | *Cynomorium songaricum* | 100.48  | 39.03  |
| 1 | parasite | *Cynomorium songaricum* | 100.50  | 38.73  |
| 1 | parasite | *Cynomorium songaricum* | 100.50  | 39.05  |
| 1 | parasite | *Cynomorium songaricum* | 100.51  | 39.06  |
| 1 | parasite | *Cynomorium songaricum* | 100.55  | 39.73  |
| 1 | parasite | *Cynomorium songaricum* | 100.57  | 38.97  |
| 1 | parasite | *Cynomorium songaricum* | 100.70  | 38.78  |
| 1 | parasite | *Cynomorium songaricum* | 100.71  | 36.76  |
| 1 | parasite | *Cynomorium songaricum* | 100.72  | 38.64  |
| 1 | parasite | *Cynomorium songaricum* | 100.82  | 39.17  |
| 1 | parasite | *Cynomorium songaricum* | 100.84  | 38.86  |
| 1 | parasite | *Cynomorium songaricum* | 100.85  | 39.20  |
| 1 | parasite | *Cynomorium songaricum* | 101.08  | 41.96  |
| 1 | parasite | *Cynomorium songaricum* | 101.12  | 38.88  |
| 1 | parasite | *Cynomorium songaricum* | 101.19  | 38.98  |
| 1 | parasite | *Cynomorium songaricum* | 101.25  | 39.87  |
| 1 | parasite | *Cynomorium songaricum* | 101.30  | 37.60  |
| 1 | parasite | *Cynomorium songaricum* | 101.32  | 39.07  |
| 1 | parasite | *Cynomorium songaricum* | 101.45  | 38.72  |
| 1 | parasite | *Cynomorium songaricum* | 101.60  | 39.33  |
| 1 | parasite | *Cynomorium songaricum* | 101.96  | 39.33  |
| 1 | parasite | *Cynomorium songaricum* | 102.52  | 38.62  |
| 1 | parasite | *Cynomorium songaricum* | 102.92  | 38.43  |
| 1 | parasite | *Cynomorium songaricum* | 103.04  | 38.66  |
| 1 | parasite | *Cynomorium songaricum* | 103.07  | 37.62  |
| 1 | parasite | *Cynomorium songaricum* | 103.10  | 38.57  |
| 1 | parasite | *Cynomorium songaricum* | 103.12  | 34.66  |
| 1 | parasite | *Cynomorium songaricum* | 103.25  | 38.77  |
| 1 | parasite | *Cynomorium songaricum* | 103.34  | 38.94  |
| 1 | parasite | *Cynomorium songaricum* | 103.35  | 39.00  |
| 1 | parasite | *Cynomorium songaricum* | 103.39  | 38.85  |
| 1 | parasite | *Cynomorium songaricum* | 103.53  | 38.88  |
| 1 | parasite | *Cynomorium songaricum* | 103.53  | 39.02  |
| 1 | parasite | *Cynomorium songaricum* | 103.56  | 38.80  |
| 1 | parasite | *Cynomorium songaricum* | 103.60  | 37.59  |
| 1 | parasite | *Cynomorium songaricum* | 103.68  | 38.72  |
| 1 | parasite | *Cynomorium songaricum* | 104.06  | 40.18  |
| 1 | parasite | *Cynomorium songaricum* | 104.15  | 40.17  |
| 1 | parasite | *Cynomorium songaricum* | 104.49  | 37.51  |
| 1 | parasite | *Cynomorium songaricum* | 104.94  | 37.61  |
| 1 | parasite | *Cynomorium songaricum* | 105.01  | 37.49  |
| 1 | parasite | *Cynomorium songaricum* | 105.02  | 37.62  |
| 1 | parasite | *Cynomorium songaricum* | 105.15  | 39.10  |
| 1 | parasite | *Cynomorium songaricum* | 105.39  | 39.23  |
| 1 | parasite | *Cynomorium songaricum* | 105.62  | 39.58  |
| 1 | parasite | *Cynomorium songaricum* | 105.68  | 39.75  |
| 1 | parasite | *Cynomorium songaricum* | 105.83  | 39.67  |
| 1 | parasite | *Cynomorium songaricum* | 106.04  | 38.61  |
| 1 | parasite | *Cynomorium songaricum* | 106.17  | 39.22  |
| 1 | parasite | *Cynomorium songaricum* | 106.72  | 39.47  |
| 1 | parasite | *Cynomorium songaricum* | 106.75  | 39.44  |
| 1 | parasite | *Cynomorium songaricum* | 106.75  | 38.83  |
| 1 | parasite | *Cynomorium songaricum* | 107.00  | 40.24  |
| 1 | parasite | *Cynomorium songaricum* | 107.30  | 40.59  |
| 1 | parasite | *Cynomorium songaricum* | 107.60  | 37.76  |
| 1 | parasite | *Cynomorium songaricum* | 108.72  | 40.50  |
| 1 | parasite | *Cynomorium songaricum* | 109.40  | 39.05  |
| 1 | parasite | *Cynomorium songaricum* | 111.17  | 42.56  |
| 1 | parasite | *Cynomorium songaricum* | 111.71  | 41.54  |
| 1 | parasite | *Cynomorium songaricum* | 112.70  | 42.73  |
| 1 | host | *Nitraria sibirica* | 75.20  | 37.80  |
| 1 | host | *Nitraria sibirica* | 75.30  | 39.70  |
| 1 | host | *Nitraria sibirica* | 76.00  | 39.20  |
| 1 | host | *Nitraria sibirica* | 76.00  | 39.50  |
| 1 | host | *Nitraria sibirica* | 76.20  | 39.70  |
| 1 | host | *Nitraria sibirica* | 77.30  | 38.40  |
| 1 | host | *Nitraria sibirica* | 77.40  | 37.90  |
| 1 | host | *Nitraria sibirica* | 78.50  | 40.90  |
| 1 | host | *Nitraria sibirica* | 78.60  | 39.80  |
| 1 | host | *Nitraria sibirica* | 79.30  | 36.20  |
| 1 | host | *Nitraria sibirica* | 80.30  | 41.20  |
| 1 | host | *Nitraria sibirica* | 80.90  | 44.10  |
| 1 | host | *Nitraria sibirica* | 81.00  | 45.00  |
| 1 | host | *Nitraria sibirica* | 81.10  | 43.20  |
| 1 | host | *Nitraria sibirica* | 81.50  | 44.00  |
| 1 | host | *Nitraria sibirica* | 81.50  | 42.81  |
| 1 | host | *Nitraria sibirica* | 81.70  | 36.90  |
| 1 | host | *Nitraria sibirica* | 82.10  | 44.90  |
| 1 | host | *Nitraria sibirica* | 82.70  | 37.10  |
| 1 | host | *Nitraria sibirica* | 82.90  | 44.60  |
| 1 | host | *Nitraria sibirica* | 83.00  | 41.70  |
| 1 | host | *Nitraria sibirica* | 83.00  | 46.80  |
| 1 | host | *Nitraria sibirica* | 83.30  | 43.40  |
| 1 | host | *Nitraria sibirica* | 83.60  | 45.90  |
| 1 | host | *Nitraria sibirica* | 83.60  | 46.50  |
| 1 | host | *Nitraria sibirica* | 84.08  | 43.84  |
| 1 | host | *Nitraria sibirica* | 84.30  | 41.80  |
| 1 | host | *Nitraria sibirica* | 84.70  | 44.40  |
| 1 | host | *Nitraria sibirica* | 84.90  | 45.60  |
| 1 | host | *Nitraria sibirica* | 84.90  | 44.40  |
| 1 | host | *Nitraria sibirica* | 85.50  | 38.20  |
| 1 | host | *Nitraria sibirica* | 85.60  | 44.30  |
| 1 | host | *Nitraria sibirica* | 85.70  | 46.80  |
| 1 | host | *Nitraria sibirica* | 86.00  | 44.30  |
| 1 | host | *Nitraria sibirica* | 86.20  | 41.90  |
| 1 | host | *Nitraria sibirica* | 86.30  | 41.30  |
| 1 | host | *Nitraria sibirica* | 86.30  | 47.50  |
| 1 | host | *Nitraria sibirica* | 86.30  | 44.30  |
| 1 | host | *Nitraria sibirica* | 86.40  | 42.30  |
| 1 | host | *Nitraria sibirica* | 86.60  | 42.10  |
| 1 | host | *Nitraria sibirica* | 86.90  | 42.30  |
| 1 | host | *Nitraria sibirica* | 86.90  | 44.20  |
| 1 | host | *Nitraria sibirica* | 87.30  | 48.30  |
| 1 | host | *Nitraria sibirica* | 87.40  | 43.90  |
| 1 | host | *Nitraria sibirica* | 87.50  | 44.20  |
| 1 | host | *Nitraria sibirica* | 87.80  | 47.90  |
| 1 | host | *Nitraria sibirica* | 87.84  | 44.32  |
| 1 | host | *Nitraria sibirica* | 87.86  | 44.30  |
| 1 | host | *Nitraria sibirica* | 87.93  | 44.28  |
| 1 | host | *Nitraria sibirica* | 88.00  | 44.00  |
| 1 | host | *Nitraria sibirica* | 88.00  | 46.60  |
| 1 | host | *Nitraria sibirica* | 88.20  | 39.00  |
| 1 | host | *Nitraria sibirica* | 88.30  | 43.40  |
| 1 | host | *Nitraria sibirica* | 88.70  | 42.80  |
| 1 | host | *Nitraria sibirica* | 89.20  | 44.00  |
| 1 | host | *Nitraria sibirica* | 89.20  | 42.90  |
| 1 | host | *Nitraria sibirica* | 89.20  | 42.89  |
| 1 | host | *Nitraria sibirica* | 89.50  | 46.50  |
| 1 | host | *Nitraria sibirica* | 89.60  | 44.00  |
| 1 | host | *Nitraria sibirica* | 93.00  | 44.20  |
| 1 | host | *Nitraria sibirica* | 93.20  | 36.93  |
| 1 | host | *Nitraria sibirica* | 93.30  | 38.10  |
| 1 | host | *Nitraria sibirica* | 93.50  | 42.80  |
| 1 | host | *Nitraria sibirica* | 94.30  | 39.60  |
| 1 | host | *Nitraria sibirica* | 94.70  | 43.30  |
| 1 | host | *Nitraria sibirica* | 94.90  | 39.50  |
| 1 | host | *Nitraria sibirica* | 94.90  | 36.40  |
| 1 | host | *Nitraria sibirica* | 95.58  | 40.21  |
| 1 | host | *Nitraria sibirica* | 95.80  | 40.50  |
| 1 | host | *Nitraria sibirica* | 97.10  | 40.30  |
| 1 | host | *Nitraria sibirica* | 97.40  | 37.40  |
| 1 | host | *Nitraria sibirica* | 98.10  | 36.30  |
| 1 | host | *Nitraria sibirica* | 98.30  | 39.80  |
| 1 | host | *Nitraria sibirica* | 98.50  | 36.90  |
| 1 | host | *Nitraria sibirica* | 98.50  | 39.70  |
| 1 | host | *Nitraria sibirica* | 98.90  | 40.00  |
| 1 | host | *Nitraria sibirica* | 99.00  | 37.30  |
| 1 | host | *Nitraria sibirica* | 99.08  | 36.99  |
| 1 | host | *Nitraria sibirica* | 99.60  | 35.60  |
| 1 | host | *Nitraria sibirica* | 99.60  | 38.80  |
| 1 | host | *Nitraria sibirica* | 99.75  | 38.93  |
| 1 | host | *Nitraria sibirica* | 99.77  | 38.95  |
| 1 | host | *Nitraria sibirica* | 99.93  | 38.93  |
| 1 | host | *Nitraria sibirica* | 100.00  | 36.40  |
| 1 | host | *Nitraria sibirica* | 100.05  | 38.10  |
| 1 | host | *Nitraria sibirica* | 100.18  | 40.02  |
| 1 | host | *Nitraria sibirica* | 100.20  | 37.30  |
| 1 | host | *Nitraria sibirica* | 100.20  | 39.20  |
| 1 | host | *Nitraria sibirica* | 100.50  | 38.90  |
| 1 | host | *Nitraria sibirica* | 100.55  | 39.73  |
| 1 | host | *Nitraria sibirica* | 100.57  | 38.97  |
| 1 | host | *Nitraria sibirica* | 100.60  | 35.20  |
| 1 | host | *Nitraria sibirica* | 100.85  | 39.20  |
| 1 | host | *Nitraria sibirica* | 101.10  | 42.00  |
| 1 | host | *Nitraria sibirica* | 101.50  | 35.90  |
| 1 | host | *Nitraria sibirica* | 101.60  | 39.33  |
| 1 | host | *Nitraria sibirica* | 101.60  | 36.50  |
| 1 | host | *Nitraria sibirica* | 101.70  | 39.20  |
| 1 | host | *Nitraria sibirica* | 101.71  | 36.10  |
| 1 | host | *Nitraria sibirica* | 101.80  | 36.60  |
| 1 | host | *Nitraria sibirica* | 101.80  | 35.90  |
| 1 | host | *Nitraria sibirica* | 101.86  | 36.10  |
| 1 | host | *Nitraria sibirica* | 101.90  | 36.10  |
| 1 | host | *Nitraria sibirica* | 101.96  | 39.33  |
| 1 | host | *Nitraria sibirica* | 101.98  | 30.10  |
| 1 | host | *Nitraria sibirica* | 102.00  | 38.30  |
| 1 | host | *Nitraria sibirica* | 102.00  | 36.40  |
| 1 | host | *Nitraria sibirica* | 102.20  | 36.10  |
| 1 | host | *Nitraria sibirica* | 102.40  | 31.00  |
| 1 | host | *Nitraria sibirica* | 102.40  | 36.50  |
| 1 | host | *Nitraria sibirica* | 102.50  | 35.70  |
| 1 | host | *Nitraria sibirica* | 102.50  | 34.60  |
| 1 | host | *Nitraria sibirica* | 102.60  | 30.90  |
| 1 | host | *Nitraria sibirica* | 102.60  | 37.90  |
| 1 | host | *Nitraria sibirica* | 102.70  | 29.40  |
| 1 | host | *Nitraria sibirica* | 102.74  | 30.10  |
| 1 | host | *Nitraria sibirica* | 102.80  | 36.30  |
| 1 | host | *Nitraria sibirica* | 102.85  | 36.10  |
| 1 | host | *Nitraria sibirica* | 102.90  | 37.50  |
| 1 | host | *Nitraria sibirica* | 103.10  | 38.60  |
| 1 | host | *Nitraria sibirica* | 103.20  | 34.10  |
| 1 | host | *Nitraria sibirica* | 103.30  | 36.70  |
| 1 | host | *Nitraria sibirica* | 103.34  | 38.94  |
| 1 | host | *Nitraria sibirica* | 103.80  | 36.10  |
| 1 | host | *Nitraria sibirica* | 104.00  | 36.30  |
| 1 | host | *Nitraria sibirica* | 104.00  | 34.40  |
| 1 | host | *Nitraria sibirica* | 104.06  | 40.18  |
| 1 | host | *Nitraria sibirica* | 104.10  | 37.20  |
| 1 | host | *Nitraria sibirica* | 104.20  | 36.50  |
| 1 | host | *Nitraria sibirica* | 104.32  | 36.10  |
| 1 | host | *Nitraria sibirica* | 104.70  | 36.60  |
| 1 | host | *Nitraria sibirica* | 104.90  | 33.40  |
| 1 | host | *Nitraria sibirica* | 105.02  | 37.62  |
| 1 | host | *Nitraria sibirica* | 105.10  | 35.70  |
| 1 | host | *Nitraria sibirica* | 105.20  | 37.50  |
| 1 | host | *Nitraria sibirica* | 105.62  | 39.58  |
| 1 | host | *Nitraria sibirica* | 105.70  | 38.90  |
| 1 | host | *Nitraria sibirica* | 105.70  | 36.70  |
| 1 | host | *Nitraria sibirica* | 105.70  | 34.60  |
| 1 | host | *Nitraria sibirica* | 105.83  | 39.67  |
| 1 | host | *Nitraria sibirica* | 105.90  | 37.00  |
| 1 | host | *Nitraria sibirica* | 106.04  | 38.10  |
| 1 | host | *Nitraria sibirica* | 106.20  | 38.00  |
| 1 | host | *Nitraria sibirica* | 106.26  | 38.10  |
| 1 | host | *Nitraria sibirica* | 106.30  | 38.30  |
| 1 | host | *Nitraria sibirica* | 106.30  | 38.50  |
| 1 | host | *Nitraria sibirica* | 106.41  | 38.89  |
| 1 | host | *Nitraria sibirica* | 106.60  | 38.90  |
| 1 | host | *Nitraria sibirica* | 106.60  | 37.90  |
| 1 | host | *Nitraria sibirica* | 106.70  | 39.50  |
| 1 | host | *Nitraria sibirica* | 106.99  | 37.74  |
| 1 | host | *Nitraria sibirica* | 107.00  | 40.30  |
| 1 | host | *Nitraria sibirica* | 107.10  | 41.10  |
| 1 | host | *Nitraria sibirica* | 107.30  | 36.60  |
| 1 | host | *Nitraria sibirica* | 107.40  | 40.80  |
| 1 | host | *Nitraria sibirica* | 107.40  | 37.80  |
| 1 | host | *Nitraria sibirica* | 107.52  | 37.10  |
| 1 | host | *Nitraria sibirica* | 107.54  | 37.10  |
| 1 | host | *Nitraria sibirica* | 107.60  | 37.60  |
| 1 | host | *Nitraria sibirica* | 108.00  | 39.10  |
| 1 | host | *Nitraria sibirica* | 108.30  | 41.10  |
| 1 | host | *Nitraria sibirica* | 108.70  | 39.80  |
| 1 | host | *Nitraria sibirica* | 108.72  | 38.59  |
| 1 | host | *Nitraria sibirica* | 108.80  | 37.60  |
| 1 | host | *Nitraria sibirica* | 109.30  | 38.00  |
| 1 | host | *Nitraria sibirica* | 110.00  | 39.80  |
| 1 | host | *Nitraria sibirica* | 110.00  | 37.60  |
| 1 | host | *Nitraria sibirica* | 110.70  | 40.60  |
| 1 | host | *Nitraria sibirica* | 110.70  | 35.60  |
| 1 | host | *Nitraria sibirica* | 110.99  | 40.60  |
| 1 | host | *Nitraria sibirica* | 111.17  | 42.56  |
| 1 | host | *Nitraria sibirica* | 111.80  | 40.90  |
| 1 | host | *Nitraria sibirica* | 112.00  | 43.70  |
| 1 | host | *Nitraria sibirica* | 112.01  | 43.11  |
| 1 | host | *Nitraria sibirica* | 112.60  | 37.70  |
| 1 | host | *Nitraria sibirica* | 112.70  | 42.80  |
| 1 | host | *Nitraria sibirica* | 112.70  | 38.10  |
| 1 | host | *Nitraria sibirica* | 113.10  | 41.00  |
| 1 | host | *Nitraria sibirica* | 113.20  | 40.80  |
| 1 | host | *Nitraria sibirica* | 113.70  | 43.90  |
| 1 | host | *Nitraria sibirica* | 114.20  | 41.10  |
| 1 | host | *Nitraria sibirica* | 114.27  | 40.11  |
| 1 | host | *Nitraria sibirica* | 114.44  | 41.11  |
| 1 | host | *Nitraria sibirica* | 114.80  | 41.30  |
| 1 | host | *Nitraria sibirica* | 114.95  | 44.11  |
| 1 | host | *Nitraria sibirica* | 114.96  | 42.69  |
| 1 | host | *Nitraria sibirica* | 115.00  | 44.00  |
| 1 | host | *Nitraria sibirica* | 115.10  | 40.50  |
| 1 | host | *Nitraria sibirica* | 115.11  | 40.11  |
| 1 | host | *Nitraria sibirica* | 115.34  | 40.11  |
| 1 | host | *Nitraria sibirica* | 116.10  | 44.00  |
| 1 | host | *Nitraria sibirica* | 116.19  | 48.15  |
| 1 | host | *Nitraria sibirica* | 116.40  | 39.90  |
| 1 | host | *Nitraria sibirica* | 116.42  | 48.00  |
| 1 | host | *Nitraria sibirica* | 116.50  | 42.20  |
| 1 | host | *Nitraria sibirica* | 116.52  | 48.58  |
| 1 | host | *Nitraria sibirica* | 116.80  | 48.70  |
| 1 | host | *Nitraria sibirica* | 116.83  | 48.11  |
| 1 | host | *Nitraria sibirica* | 117.00  | 45.50  |
| 1 | host | *Nitraria sibirica* | 117.32  | 49.11  |
| 1 | host | *Nitraria sibirica* | 117.38  | 38.11  |
| 1 | host | *Nitraria sibirica* | 117.39  | 38.11  |
| 1 | host | *Nitraria sibirica* | 117.40  | 38.40  |
| 1 | host | *Nitraria sibirica* | 117.40  | 38.80  |
| 1 | host | *Nitraria sibirica* | 117.50  | 49.60  |
| 1 | host | *Nitraria sibirica* | 117.73  | 39.11  |
| 1 | host | *Nitraria sibirica* | 117.90  | 41.00  |
| 1 | host | *Nitraria sibirica* | 118.00  | 37.40  |
| 1 | host | *Nitraria sibirica* | 118.30  | 48.20  |
| 1 | host | *Nitraria sibirica* | 118.35  | 39.11  |
| 1 | host | *Nitraria sibirica* | 118.36  | 39.11  |
| 1 | host | *Nitraria sibirica* | 118.40  | 39.30  |
| 1 | host | *Nitraria sibirica* | 118.41  | 39.11  |
| 1 | host | *Nitraria sibirica* | 118.70  | 37.40  |
| 1 | host | *Nitraria sibirica* | 119.00  | 42.30  |
| 1 | host | *Nitraria sibirica* | 119.00  | 42.90  |
| 1 | host | *Nitraria sibirica* | 119.20  | 36.70  |
| 1 | host | *Nitraria sibirica* | 119.80  | 49.20  |
| 1 | host | *Nitraria sibirica* | 120.80  | 40.70  |
| 1 | host | *Nitraria sibirica* | 121.53  | 44.67  |
| 1 | host | *Nitraria sibirica* | 122.00  | 41.20  |
| 1 | host | *Nitraria sibirica* | 122.10  | 40.90  |
| 1 | host | *Nitraria sibirica* | 122.30  | 40.60  |
| 1 | host | *Nitraria sibirica* | 122.90  | 45.60  |
| 1 | host | *Nitraria sibirica* | 122.90  | 46.70  |
| 1 | host | *Nitraria sibirica* | 123.10  | 44.80  |
| 1 | host | *Nitraria sibirica* | 123.65  | 41.12  |
| 1 | host | *Nitraria sibirica* | 124.17  | 49.12  |
| 1 | host | *Nitraria sibirica* | 129.40  | 43.10  |
| 2 | parasite | *Boschniakia rossica* | 118.15  | 49.65  |
| 2 | parasite | *Boschniakia rossica* | 119.72  | 49.20  |
| 2 | parasite | *Boschniakia rossica* | 120.12  | 50.21  |
| 2 | parasite | *Boschniakia rossica* | 120.13  | 50.46  |
| 2 | parasite | *Boschniakia rossica* | 120.13  | 50.54  |
| 2 | parasite | *Boschniakia rossica* | 120.18  | 50.25  |
| 2 | parasite | *Boschniakia rossica* | 120.48  | 49.53  |
| 2 | parasite | *Boschniakia rossica* | 121.52  | 50.78  |
| 2 | parasite | *Boschniakia rossica* | 121.77  | 50.90  |
| 2 | parasite | *Boschniakia rossica* | 122.52  | 52.99  |
| 2 | parasite | *Boschniakia rossica* | 122.67  | 52.29  |
| 2 | parasite | *Boschniakia rossica* | 122.81  | 52.93  |
| 2 | parasite | *Boschniakia rossica* | 123.50  | 50.50  |
| 2 | parasite | *Boschniakia rossica* | 123.59  | 52.04  |
| 2 | parasite | *Boschniakia rossica* | 123.66  | 41.87  |
| 2 | parasite | *Boschniakia rossica* | 123.89  | 52.71  |
| 2 | parasite | *Boschniakia rossica* | 124.13  | 50.43  |
| 2 | parasite | *Boschniakia rossica* | 124.39  | 51.67  |
| 2 | parasite | *Boschniakia rossica* | 124.62  | 49.74  |
| 2 | parasite | *Boschniakia rossica* | 124.72  | 52.34  |
| 2 | parasite | *Boschniakia rossica* | 125.41  | 52.44  |
| 2 | parasite | *Boschniakia rossica* | 125.76  | 41.69  |
| 2 | parasite | *Boschniakia rossica* | 125.77  | 52.07  |
| 2 | parasite | *Boschniakia rossica* | 127.40  | 42.19  |
| 2 | parasite | *Boschniakia rossica* | 127.79  | 42.06  |
| 2 | parasite | *Boschniakia rossica* | 127.83  | 41.97  |
| 2 | parasite | *Boschniakia rossica* | 127.96  | 42.04  |
| 2 | parasite | *Boschniakia rossica* | 127.99  | 41.95  |
| 2 | parasite | *Boschniakia rossica* | 128.12  | 42.40  |
| 2 | parasite | *Boschniakia rossica* | 128.15  | 42.46  |
| 2 | parasite | *Boschniakia rossica* | 128.17  | 42.18  |
| 2 | parasite | *Boschniakia rossica* | 128.54  | 45.45  |
| 2 | parasite | *Boschniakia rossica* | 128.91  | 43.12  |
| 2 | parasite | *Boschniakia rossica* | 129.46  | 48.47  |
| 2 | parasite | *Boschniakia rossica* | 129.47  | 42.88  |
| 2 | parasite | *Boschniakia rossica* | 129.54  | 48.49  |
| 2 | parasite | *Boschniakia rossica* | 129.70  | 47.31  |
| 2 | host | *Alnus mandshurica* | 118.20  | 49.68  |
| 2 | host | *Alnus mandshurica* | 119.24  | 48.55  |
| 2 | host | *Alnus mandshurica* | 119.87  | 47.30  |
| 2 | host | *Alnus mandshurica* | 120.85  | 51.95  |
| 2 | host | *Alnus mandshurica* | 121.87  | 51.69  |
| 2 | host | *Alnus mandshurica* | 122.20  | 50.67  |
| 2 | host | *Alnus mandshurica* | 122.36  | 52.96  |
| 2 | host | *Alnus mandshurica* | 122.61  | 51.81  |
| 2 | host | *Alnus mandshurica* | 122.80  | 52.93  |
| 2 | host | *Alnus mandshurica* | 123.17  | 52.74  |
| 2 | host | *Alnus mandshurica* | 123.20  | 53.17  |
| 2 | host | *Alnus mandshurica* | 123.47  | 41.78  |
| 2 | host | *Alnus mandshurica* | 125.15  | 51.12  |
| 2 | host | *Alnus mandshurica* | 125.39  | 41.33  |
| 2 | host | *Alnus mandshurica* | 126.26  | 48.65  |
| 2 | host | *Alnus mandshurica* | 127.70  | 42.23  |
| 2 | host | *Alnus mandshurica* | 127.73  | 42.03  |
| 2 | host | *Alnus mandshurica* | 127.79  | 42.06  |
| 2 | host | *Alnus mandshurica* | 128.00  | 41.97  |
| 2 | host | *Alnus mandshurica* | 128.04  | 42.01  |
| 2 | host | *Alnus mandshurica* | 128.06  | 42.05  |
| 2 | host | *Alnus mandshurica* | 128.06  | 42.08  |
| 2 | host | *Alnus mandshurica* | 128.07  | 42.03  |
| 2 | host | *Alnus mandshurica* | 128.07  | 42.05  |
| 2 | host | *Alnus mandshurica* | 128.07  | 42.07  |
| 2 | host | *Alnus mandshurica* | 128.08  | 42.04  |
| 2 | host | *Alnus mandshurica* | 128.12  | 42.43  |
| 2 | host | *Alnus mandshurica* | 128.13  | 42.13  |
| 2 | host | *Alnus mandshurica* | 128.15  | 42.46  |
| 2 | host | *Alnus mandshurica* | 128.91  | 47.75  |
| 2 | host | *Alnus mandshurica* | 130.44  | 48.83  |
| 2 | host | *Alnus mandshurica* | 130.60  | 48.52  |
| 2 | host | *Alnus mandshurica* | 132.77  | 45.84  |
| 2 | host | *Alnus mandshurica* | 134.54  | 48.33  |
| 3 | parasite | *Cistanche deserticola* | 75.24  | 39.72  |
| 3 | parasite | *Cistanche deserticola* | 75.94  | 39.12  |
| 3 | parasite | *Cistanche deserticola* | 81.13  | 43.82  |
| 3 | parasite | *Cistanche deserticola* | 82.64  | 44.66  |
| 3 | parasite | *Cistanche deserticola* | 83.66  | 44.56  |
| 3 | parasite | *Cistanche deserticola* | 85.16  | 45.29  |
| 3 | parasite | *Cistanche deserticola* | 85.57  | 44.33  |
| 3 | parasite | *Cistanche deserticola* | 85.72  | 46.79  |
| 3 | parasite | *Cistanche deserticola* | 86.28  | 41.75  |
| 3 | parasite | *Cistanche deserticola* | 86.53  | 42.07  |
| 3 | parasite | *Cistanche deserticola* | 87.40  | 43.99  |
| 3 | parasite | *Cistanche deserticola* | 87.48  | 47.10  |
| 3 | parasite | *Cistanche deserticola* | 87.57  | 43.81  |
| 3 | parasite | *Cistanche deserticola* | 87.58  | 43.80  |
| 3 | parasite | *Cistanche deserticola* | 87.61  | 43.66  |
| 3 | parasite | *Cistanche deserticola* | 87.72  | 43.58  |
| 3 | parasite | *Cistanche deserticola* | 87.89  | 43.55  |
| 3 | parasite | *Cistanche deserticola* | 88.07  | 43.41  |
| 3 | parasite | *Cistanche deserticola* | 88.29  | 43.36  |
| 3 | parasite | *Cistanche deserticola* | 89.51  | 46.99  |
| 3 | parasite | *Cistanche deserticola* | 89.53  | 47.01  |
| 3 | parasite | *Cistanche deserticola* | 91.60  | 37.54  |
| 3 | parasite | *Cistanche deserticola* | 97.12  | 41.90  |
| 3 | parasite | *Cistanche deserticola* | 98.48  | 39.67  |
| 3 | parasite | *Cistanche deserticola* | 103.24  | 40.95  |
| 3 | parasite | *Cistanche deserticola* | 104.92  | 37.60  |
| 3 | parasite | *Cistanche deserticola* | 105.55  | 38.79  |
| 3 | parasite | *Cistanche deserticola* | 105.65  | 38.85  |
| 3 | parasite | *Cistanche deserticola* | 105.70  | 39.73  |
| 3 | parasite | *Cistanche deserticola* | 105.89  | 38.87  |
| 3 | parasite | *Cistanche deserticola* | 106.63  | 42.16  |
| 3 | parasite | *Cistanche deserticola* | 107.05  | 40.34  |
| 3 | parasite | *Cistanche deserticola* | 107.37  | 40.79  |
| 3 | host | *Haloxylon ammodendron* | 76.00  | 39.50  |
| 3 | host | *Haloxylon ammodendron* | 76.20  | 39.70  |
| 3 | host | *Haloxylon ammodendron* | 76.20  | 38.90  |
| 3 | host | *Haloxylon ammodendron* | 76.70  | 39.50  |
| 3 | host | *Haloxylon ammodendron* | 77.40  | 37.90  |
| 3 | host | *Haloxylon ammodendron* | 77.60  | 38.90  |
| 3 | host | *Haloxylon ammodendron* | 78.60  | 39.80  |
| 3 | host | *Haloxylon ammodendron* | 79.10  | 40.50  |
| 3 | host | *Haloxylon ammodendron* | 79.30  | 36.20  |
| 3 | host | *Haloxylon ammodendron* | 80.20  | 41.10  |
| 3 | host | *Haloxylon ammodendron* | 80.90  | 44.10  |
| 3 | host | *Haloxylon ammodendron* | 81.20  | 43.80  |
| 3 | host | *Haloxylon ammodendron* | 81.30  | 40.60  |
| 3 | host | *Haloxylon ammodendron* | 81.50  | 44.00  |
| 3 | host | *Haloxylon ammodendron* | 81.75  | 44.08  |
| 3 | host | *Haloxylon ammodendron* | 81.90  | 41.80  |
| 3 | host | *Haloxylon ammodendron* | 82.10  | 44.90  |
| 3 | host | *Haloxylon ammodendron* | 82.60  | 45.20  |
| 3 | host | *Haloxylon ammodendron* | 82.80  | 41.20  |
| 3 | host | *Haloxylon ammodendron* | 82.90  | 44.60  |
| 3 | host | *Haloxylon ammodendron* | 82.93  | 44.69  |
| 3 | host | *Haloxylon ammodendron* | 83.00  | 41.70  |
| 3 | host | *Haloxylon ammodendron* | 83.00  | 46.80  |
| 3 | host | *Haloxylon ammodendron* | 83.06  | 42.12  |
| 3 | host | *Haloxylon ammodendron* | 83.07  | 42.12  |
| 3 | host | *Haloxylon ammodendron* | 83.60  | 45.90  |
| 3 | host | *Haloxylon ammodendron* | 83.60  | 46.50  |
| 3 | host | *Haloxylon ammodendron* | 84.25  | 41.78  |
| 3 | host | *Haloxylon ammodendron* | 84.30  | 41.80  |
| 3 | host | *Haloxylon ammodendron* | 84.70  | 44.40  |
| 3 | host | *Haloxylon ammodendron* | 84.77  | 44.18  |
| 3 | host | *Haloxylon ammodendron* | 84.78  | 44.32  |
| 3 | host | *Haloxylon ammodendron* | 84.90  | 45.60  |
| 3 | host | *Haloxylon ammodendron* | 84.90  | 44.40  |
| 3 | host | *Haloxylon ammodendron* | 84.97  | 43.43  |
| 3 | host | *Haloxylon ammodendron* | 85.30  | 42.22  |
| 3 | host | *Haloxylon ammodendron* | 85.50  | 38.20  |
| 3 | host | *Haloxylon ammodendron* | 85.60  | 44.30  |
| 3 | host | *Haloxylon ammodendron* | 85.70  | 46.10  |
| 3 | host | *Haloxylon ammodendron* | 85.70  | 46.80  |
| 3 | host | *Haloxylon ammodendron* | 86.00  | 44.30  |
| 3 | host | *Haloxylon ammodendron* | 86.20  | 41.90  |
| 3 | host | *Haloxylon ammodendron* | 86.22  | 44.95  |
| 3 | host | *Haloxylon ammodendron* | 86.24  | 45.05  |
| 3 | host | *Haloxylon ammodendron* | 86.30  | 41.30  |
| 3 | host | *Haloxylon ammodendron* | 86.30  | 47.50  |
| 3 | host | *Haloxylon ammodendron* | 86.30  | 44.30  |
| 3 | host | *Haloxylon ammodendron* | 86.52  | 45.43  |
| 3 | host | *Haloxylon ammodendron* | 86.60  | 42.10  |
| 3 | host | *Haloxylon ammodendron* | 86.90  | 42.30  |
| 3 | host | *Haloxylon ammodendron* | 86.90  | 44.20  |
| 3 | host | *Haloxylon ammodendron* | 87.30  | 48.30  |
| 3 | host | *Haloxylon ammodendron* | 87.50  | 44.20  |
| 3 | host | *Haloxylon ammodendron* | 87.70  | 44.00  |
| 3 | host | *Haloxylon ammodendron* | 87.80  | 47.90  |
| 3 | host | *Haloxylon ammodendron* | 87.93  | 44.28  |
| 3 | host | *Haloxylon ammodendron* | 88.00  | 44.00  |
| 3 | host | *Haloxylon ammodendron* | 88.00  | 46.60  |
| 3 | host | *Haloxylon ammodendron* | 88.13  | 44.34  |
| 3 | host | *Haloxylon ammodendron* | 88.20  | 39.00  |
| 3 | host | *Haloxylon ammodendron* | 88.29  | 44.67  |
| 3 | host | *Haloxylon ammodendron* | 88.30  | 43.40  |
| 3 | host | *Haloxylon ammodendron* | 88.70  | 42.80  |
| 3 | host | *Haloxylon ammodendron* | 88.83  | 44.55  |
| 3 | host | *Haloxylon ammodendron* | 88.99  | 44.64  |
| 3 | host | *Haloxylon ammodendron* | 89.16  | 42.87  |
| 3 | host | *Haloxylon ammodendron* | 89.20  | 42.87  |
| 3 | host | *Haloxylon ammodendron* | 89.20  | 44.00  |
| 3 | host | *Haloxylon ammodendron* | 89.20  | 43.00  |
| 3 | host | *Haloxylon ammodendron* | 89.30  | 42.87  |
| 3 | host | *Haloxylon ammodendron* | 89.50  | 46.50  |
| 3 | host | *Haloxylon ammodendron* | 89.60  | 44.00  |
| 3 | host | *Haloxylon ammodendron* | 90.06  | 44.22  |
| 3 | host | *Haloxylon ammodendron* | 90.08  | 45.07  |
| 3 | host | *Haloxylon ammodendron* | 90.20  | 42.90  |
| 3 | host | *Haloxylon ammodendron* | 90.30  | 43.80  |
| 3 | host | *Haloxylon ammodendron* | 90.40  | 46.20  |
| 3 | host | *Haloxylon ammodendron* | 93.00  | 44.20  |
| 3 | host | *Haloxylon ammodendron* | 93.30  | 38.10  |
| 3 | host | *Haloxylon ammodendron* | 93.50  | 42.80  |
| 3 | host | *Haloxylon ammodendron* | 94.30  | 39.60  |
| 3 | host | *Haloxylon ammodendron* | 94.69  | 40.09  |
| 3 | host | *Haloxylon ammodendron* | 94.70  | 40.10  |
| 3 | host | *Haloxylon ammodendron* | 94.70  | 43.30  |
| 3 | host | *Haloxylon ammodendron* | 94.90  | 39.50  |
| 3 | host | *Haloxylon ammodendron* | 94.90  | 36.40  |
| 3 | host | *Haloxylon ammodendron* | 95.75  | 41.95  |
| 3 | host | *Haloxylon ammodendron* | 95.78  | 40.55  |
| 3 | host | *Haloxylon ammodendron* | 95.80  | 40.50  |
| 3 | host | *Haloxylon ammodendron* | 97.10  | 40.30  |
| 3 | host | *Haloxylon ammodendron* | 97.40  | 37.40  |
| 3 | host | *Haloxylon ammodendron* | 97.60  | 36.21  |
| 3 | host | *Haloxylon ammodendron* | 98.10  | 36.30  |
| 3 | host | *Haloxylon ammodendron* | 98.50  | 36.90  |
| 3 | host | *Haloxylon ammodendron* | 98.70  | 40.28  |
| 3 | host | *Haloxylon ammodendron* | 98.71  | 40.28  |
| 3 | host | *Haloxylon ammodendron* | 98.90  | 40.00  |
| 3 | host | *Haloxylon ammodendron* | 99.80  | 39.40  |
| 3 | host | *Haloxylon ammodendron* | 100.20  | 39.20  |
| 3 | host | *Haloxylon ammodendron* | 101.10  | 42.00  |
| 3 | host | *Haloxylon ammodendron* | 101.20  | 36.60  |
| 3 | host | *Haloxylon ammodendron* | 101.70  | 39.20  |
| 3 | host | *Haloxylon ammodendron* | 102.00  | 38.30  |
| 3 | host | *Haloxylon ammodendron* | 102.60  | 37.90  |
| 3 | host | *Haloxylon ammodendron* | 102.71  | 40.44  |
| 3 | host | *Haloxylon ammodendron* | 102.90  | 37.50  |
| 3 | host | *Haloxylon ammodendron* | 103.10  | 38.60  |
| 3 | host | *Haloxylon ammodendron* | 103.12  | 38.62  |
| 3 | host | *Haloxylon ammodendron* | 103.31  | 39.02  |
| 3 | host | *Haloxylon ammodendron* | 103.61  | 39.07  |
| 3 | host | *Haloxylon ammodendron* | 103.64  | 38.95  |
| 3 | host | *Haloxylon ammodendron* | 103.80  | 36.10  |
| 3 | host | *Haloxylon ammodendron* | 103.85  | 38.63  |
| 3 | host | *Haloxylon ammodendron* | 104.90  | 34.70  |
| 3 | host | *Haloxylon ammodendron* | 105.01  | 37.48  |
| 3 | host | *Haloxylon ammodendron* | 105.20  | 37.50  |
| 3 | host | *Haloxylon ammodendron* | 105.70  | 38.90  |
| 3 | host | *Haloxylon ammodendron* | 106.63  | 42.16  |
| 3 | host | *Haloxylon ammodendron* | 106.80  | 39.70  |
| 3 | host | *Haloxylon ammodendron* | 107.00  | 40.30  |
| 3 | host | *Haloxylon ammodendron* | 107.06  | 40.35  |
| 3 | host | *Haloxylon ammodendron* | 107.10  | 41.10  |
| 3 | host | *Haloxylon ammodendron* | 107.40  | 40.80  |
| 3 | host | *Haloxylon ammodendron* | 107.40  | 37.80  |
| 3 | host | *Haloxylon ammodendron* | 108.30  | 41.10  |
| 3 | host | *Haloxylon ammodendron* | 108.70  | 39.80  |
| 3 | host | *Haloxylon ammodendron* | 108.90  | 38.60  |
| 3 | host | *Haloxylon ammodendron* | 109.75  | 40.51  |
| 3 | host | *Haloxylon ammodendron* | 110.00  | 39.80  |
| 3 | host | *Haloxylon ammodendron* | 112.00  | 43.70  |
| 4 | parasite | *Cistanche mongolica* | 76.38  | 39.09  |
| 4 | parasite | *Cistanche mongolica* | 77.26  | 38.42  |
| 4 | parasite | *Cistanche mongolica* | 77.35  | 38.42  |
| 4 | parasite | *Cistanche mongolica* | 77.58  | 37.87  |
| 4 | parasite | *Cistanche mongolica* | 77.74  | 38.97  |
| 4 | parasite | *Cistanche mongolica* | 77.77  | 38.33  |
| 4 | parasite | *Cistanche mongolica* | 78.28  | 37.57  |
| 4 | parasite | *Cistanche mongolica* | 78.52  | 39.78  |
| 4 | parasite | *Cistanche mongolica* | 78.55  | 39.80  |
| 4 | parasite | *Cistanche mongolica* | 79.71  | 37.26  |
| 4 | parasite | *Cistanche mongolica* | 79.73  | 37.28  |
| 4 | parasite | *Cistanche mongolica* | 79.82  | 37.08  |
| 4 | parasite | *Cistanche mongolica* | 79.84  | 37.30  |
| 4 | parasite | *Cistanche mongolica* | 79.92  | 37.12  |
| 4 | parasite | *Cistanche mongolica* | 80.33  | 40.24  |
| 4 | parasite | *Cistanche mongolica* | 80.37  | 40.65  |
| 4 | parasite | *Cistanche mongolica* | 80.40  | 40.65  |
| 4 | parasite | *Cistanche mongolica* | 80.48  | 37.09  |
| 4 | parasite | *Cistanche mongolica* | 80.73  | 37.02  |
| 4 | parasite | *Cistanche mongolica* | 80.82  | 36.97  |
| 4 | parasite | *Cistanche mongolica* | 81.69  | 36.87  |
| 4 | parasite | *Cistanche mongolica* | 81.87  | 36.84  |
| 4 | parasite | *Cistanche mongolica* | 81.89  | 36.81  |
| 4 | parasite | *Cistanche mongolica* | 82.01  | 40.71  |
| 4 | parasite | *Cistanche mongolica* | 82.19  | 36.90  |
| 4 | parasite | *Cistanche mongolica* | 82.35  | 36.54  |
| 4 | parasite | *Cistanche mongolica* | 82.55  | 37.93  |
| 4 | parasite | *Cistanche mongolica* | 82.92  | 37.18  |
| 4 | parasite | *Cistanche mongolica* | 82.95  | 37.15  |
| 4 | parasite | *Cistanche mongolica* | 82.97  | 37.12  |
| 4 | parasite | *Cistanche mongolica* | 82.99  | 37.12  |
| 4 | parasite | *Cistanche mongolica* | 83.20  | 37.91  |
| 4 | parasite | *Cistanche mongolica* | 83.27  | 37.23  |
| 4 | parasite | *Cistanche mongolica* | 83.52  | 37.98  |
| 4 | parasite | *Cistanche mongolica* | 83.67  | 37.93  |
| 4 | parasite | *Cistanche mongolica* | 83.67  | 37.94  |
| 4 | parasite | *Cistanche mongolica* | 84.03  | 41.08  |
| 4 | parasite | *Cistanche mongolica* | 84.16  | 37.69  |
| 4 | parasite | *Cistanche mongolica* | 84.23  | 41.78  |
| 4 | parasite | *Cistanche mongolica* | 84.25  | 41.78  |
| 4 | parasite | *Cistanche mongolica* | 85.53  | 38.15  |
| 4 | parasite | *Cistanche mongolica* | 85.54  | 38.12  |
| 4 | parasite | *Cistanche mongolica* | 85.64  | 37.78  |
| 4 | parasite | *Cistanche mongolica* | 86.07  | 37.71  |
| 4 | parasite | *Cistanche mongolica* | 87.07  | 40.83  |
| 4 | parasite | *Cistanche mongolica* | 88.75  | 38.96  |
| 4 | host | *Tamarix ramosissima* | 75.30  | 39.70  |
| 4 | host | *Tamarix ramosissima* | 75.90  | 39.40  |
| 4 | host | *Tamarix ramosissima* | 76.00  | 39.20  |
| 4 | host | *Tamarix ramosissima* | 76.10  | 39.40  |
| 4 | host | *Tamarix ramosissima* | 76.20  | 38.90  |
| 4 | host | *Tamarix ramosissima* | 76.20  | 39.70  |
| 4 | host | *Tamarix ramosissima* | 76.68  | 39.85  |
| 4 | host | *Tamarix ramosissima* | 76.70  | 39.50  |
| 4 | host | *Tamarix ramosissima* | 76.80  | 39.20  |
| 4 | host | *Tamarix ramosissima* | 77.30  | 38.40  |
| 4 | host | *Tamarix ramosissima* | 77.40  | 37.90  |
| 4 | host | *Tamarix ramosissima* | 77.60  | 38.90  |
| 4 | host | *Tamarix ramosissima* | 78.30  | 37.60  |
| 4 | host | *Tamarix ramosissima* | 78.60  | 39.80  |
| 4 | host | *Tamarix ramosissima* | 79.30  | 36.20  |
| 4 | host | *Tamarix ramosissima* | 80.20  | 41.10  |
| 4 | host | *Tamarix ramosissima* | 80.20  | 41.30  |
| 4 | host | *Tamarix ramosissima* | 80.80  | 37.00  |
| 4 | host | *Tamarix ramosissima* | 80.90  | 44.10  |
| 4 | host | *Tamarix ramosissima* | 81.20  | 43.80  |
| 4 | host | *Tamarix ramosissima* | 81.70  | 36.90  |
| 4 | host | *Tamarix ramosissima* | 82.00  | 42.68  |
| 4 | host | *Tamarix ramosissima* | 82.10  | 44.90  |
| 4 | host | *Tamarix ramosissima* | 82.20  | 43.50  |
| 4 | host | *Tamarix ramosissima* | 82.60  | 45.20  |
| 4 | host | *Tamarix ramosissima* | 82.70  | 37.10  |
| 4 | host | *Tamarix ramosissima* | 82.80  | 41.20  |
| 4 | host | *Tamarix ramosissima* | 82.90  | 44.60  |
| 4 | host | *Tamarix ramosissima* | 83.00  | 41.70  |
| 4 | host | *Tamarix ramosissima* | 84.22  | 41.26  |
| 4 | host | *Tamarix ramosissima* | 84.30  | 41.80  |
| 4 | host | *Tamarix ramosissima* | 84.70  | 44.40  |
| 4 | host | *Tamarix ramosissima* | 84.90  | 44.40  |
| 4 | host | *Tamarix ramosissima* | 84.90  | 45.60  |
| 4 | host | *Tamarix ramosissima* | 85.10  | 45.70  |
| 4 | host | *Tamarix ramosissima* | 85.50  | 38.20  |
| 4 | host | *Tamarix ramosissima* | 85.60  | 44.30  |
| 4 | host | *Tamarix ramosissima* | 85.70  | 46.80  |
| 4 | host | *Tamarix ramosissima* | 86.00  | 44.30  |
| 4 | host | *Tamarix ramosissima* | 86.20  | 41.80  |
| 4 | host | *Tamarix ramosissima* | 86.30  | 41.30  |
| 4 | host | *Tamarix ramosissima* | 86.30  | 44.30  |
| 4 | host | *Tamarix ramosissima* | 86.40  | 42.30  |
| 4 | host | *Tamarix ramosissima* | 86.40  | 48.40  |
| 4 | host | *Tamarix ramosissima* | 86.60  | 42.10  |
| 4 | host | *Tamarix ramosissima* | 86.90  | 42.30  |
| 4 | host | *Tamarix ramosissima* | 86.90  | 44.20  |
| 4 | host | *Tamarix ramosissima* | 87.30  | 44.00  |
| 4 | host | *Tamarix ramosissima* | 87.30  | 48.30  |
| 4 | host | *Tamarix ramosissima* | 87.35  | 43.33  |
| 4 | host | *Tamarix ramosissima* | 87.50  | 43.40  |
| 4 | host | *Tamarix ramosissima* | 87.58  | 43.81  |
| 4 | host | *Tamarix ramosissima* | 87.60  | 43.80  |
| 4 | host | *Tamarix ramosissima* | 87.62  | 43.83  |
| 4 | host | *Tamarix ramosissima* | 87.80  | 47.30  |
| 4 | host | *Tamarix ramosissima* | 87.80  | 47.90  |
| 4 | host | *Tamarix ramosissima* | 87.86  | 44.30  |
| 4 | host | *Tamarix ramosissima* | 87.93  | 44.28  |
| 4 | host | *Tamarix ramosissima* | 88.00  | 44.00  |
| 4 | host | *Tamarix ramosissima* | 88.20  | 39.00  |
| 4 | host | *Tamarix ramosissima* | 88.30  | 43.40  |
| 4 | host | *Tamarix ramosissima* | 88.70  | 42.80  |
| 4 | host | *Tamarix ramosissima* | 89.20  | 43.00  |
| 4 | host | *Tamarix ramosissima* | 89.20  | 44.00  |
| 4 | host | *Tamarix ramosissima* | 89.50  | 46.50  |
| 4 | host | *Tamarix ramosissima* | 89.60  | 44.00  |
| 4 | host | *Tamarix ramosissima* | 90.20  | 42.90  |
| 4 | host | *Tamarix ramosissima* | 90.40  | 46.20  |
| 4 | host | *Tamarix ramosissima* | 93.00  | 44.20  |
| 4 | host | *Tamarix ramosissima* | 93.30  | 38.10  |
| 4 | host | *Tamarix ramosissima* | 93.50  | 42.80  |
| 4 | host | *Tamarix ramosissima* | 93.70  | 43.33  |
| 4 | host | *Tamarix ramosissima* | 94.36  | 39.63  |
| 4 | host | *Tamarix ramosissima* | 94.70  | 40.10  |
| 4 | host | *Tamarix ramosissima* | 94.90  | 36.40  |
| 4 | host | *Tamarix ramosissima* | 94.90  | 39.50  |
| 4 | host | *Tamarix ramosissima* | 95.80  | 40.50  |
| 4 | host | *Tamarix ramosissima* | 97.10  | 40.30  |
| 4 | host | *Tamarix ramosissima* | 97.40  | 37.40  |
| 4 | host | *Tamarix ramosissima* | 98.10  | 36.30  |
| 4 | host | *Tamarix ramosissima* | 98.30  | 39.80  |
| 4 | host | *Tamarix ramosissima* | 98.35  | 39.83  |
| 4 | host | *Tamarix ramosissima* | 98.50  | 39.70  |
| 4 | host | *Tamarix ramosissima* | 98.72  | 40.27  |
| 4 | host | *Tamarix ramosissima* | 98.73  | 40.27  |
| 4 | host | *Tamarix ramosissima* | 98.73  | 40.28  |
| 4 | host | *Tamarix ramosissima* | 98.90  | 40.00  |
| 4 | host | *Tamarix ramosissima* | 99.08  | 36.77  |
| 4 | host | *Tamarix ramosissima* | 99.60  | 35.60  |
| 4 | host | *Tamarix ramosissima* | 99.60  | 38.80  |
| 4 | host | *Tamarix ramosissima* | 100.00  | 36.40  |
| 4 | host | *Tamarix ramosissima* | 100.20  | 39.20  |
| 4 | host | *Tamarix ramosissima* | 100.50  | 38.90  |
| 4 | host | *Tamarix ramosissima* | 100.80  | 38.40  |
| 4 | host | *Tamarix ramosissima* | 101.09  | 41.96  |
| 4 | host | *Tamarix ramosissima* | 101.10  | 38.80  |
| 4 | host | *Tamarix ramosissima* | 101.10  | 42.00  |
| 4 | host | *Tamarix ramosissima* | 101.13  | 41.99  |
| 4 | host | *Tamarix ramosissima* | 101.50  | 35.90  |
| 4 | host | *Tamarix ramosissima* | 101.70  | 39.20  |
| 4 | host | *Tamarix ramosissima* | 101.79  | 36.65  |
| 4 | host | *Tamarix ramosissima* | 102.00  | 36.40  |
| 4 | host | *Tamarix ramosissima* | 102.20  | 36.90  |
| 4 | host | *Tamarix ramosissima* | 103.10  | 38.60  |
| 4 | host | *Tamarix ramosissima* | 103.26  | 39.04  |
| 4 | host | *Tamarix ramosissima* | 103.28  | 39.03  |
| 4 | host | *Tamarix ramosissima* | 103.61  | 39.07  |
| 4 | host | *Tamarix ramosissima* | 103.80  | 36.10  |
| 4 | host | *Tamarix ramosissima* | 103.80  | 37.23  |
| 4 | host | *Tamarix ramosissima* | 104.01  | 36.16  |
| 4 | host | *Tamarix ramosissima* | 104.02  | 36.23  |
| 4 | host | *Tamarix ramosissima* | 104.10  | 37.20  |
| 4 | host | *Tamarix ramosissima* | 104.18  | 37.24  |
| 4 | host | *Tamarix ramosissima* | 104.22  | 36.15  |
| 4 | host | *Tamarix ramosissima* | 105.70  | 38.80  |
| 4 | host | *Tamarix ramosissima* | 105.90  | 37.00  |
| 4 | host | *Tamarix ramosissima* | 105.93  | 38.02  |
| 4 | host | *Tamarix ramosissima* | 106.20  | 38.50  |
| 4 | host | *Tamarix ramosissima* | 106.80  | 39.70  |
| 4 | host | *Tamarix ramosissima* | 107.00  | 40.30  |
| 4 | host | *Tamarix ramosissima* | 107.10  | 41.10  |
| 4 | host | *Tamarix ramosissima* | 107.20  | 40.90  |
| 4 | host | *Tamarix ramosissima* | 107.40  | 40.80  |
| 4 | host | *Tamarix ramosissima* | 107.44  | 40.75  |
| 4 | host | *Tamarix ramosissima* | 108.00  | 33.50  |
| 4 | host | *Tamarix ramosissima* | 108.30  | 41.10  |
| 4 | host | *Tamarix ramosissima* | 108.70  | 39.80  |
| 4 | host | *Tamarix ramosissima* | 108.80  | 37.60  |
| 4 | host | *Tamarix ramosissima* | 108.90  | 38.60  |
| 4 | host | *Tamarix ramosissima* | 109.30  | 36.90  |
| 4 | host | *Tamarix ramosissima* | 109.70  | 38.30  |
| 4 | host | *Tamarix ramosissima* | 109.90  | 40.60  |
| 4 | host | *Tamarix ramosissima* | 110.00  | 39.80  |
| 4 | host | *Tamarix ramosissima* | 110.30  | 37.50  |
| 4 | host | *Tamarix ramosissima* | 110.50  | 38.80  |
| 4 | host | *Tamarix ramosissima* | 111.00  | 38.00  |
| 4 | host | *Tamarix ramosissima* | 111.10  | 39.40  |
| 4 | host | *Tamarix ramosissima* | 111.20  | 37.90  |
| 4 | host | *Tamarix ramosissima* | 111.20  | 39.90  |
| 4 | host | *Tamarix ramosissima* | 111.70  | 35.30  |
| 4 | host | *Tamarix ramosissima* | 111.70  | 39.90  |
| 4 | host | *Tamarix ramosissima* | 111.70  | 40.80  |
| 4 | host | *Tamarix ramosissima* | 112.00  | 34.00  |
| 4 | host | *Tamarix ramosissima* | 112.40  | 37.60  |
| 4 | host | *Tamarix ramosissima* | 112.60  | 40.90  |
| 4 | host | *Tamarix ramosissima* | 112.90  | 35.50  |
| 4 | host | *Tamarix ramosissima* | 113.91  | 33.83  |
| 4 | host | *Tamarix ramosissima* | 114.10  | 26.60  |
| 4 | host | *Tamarix ramosissima* | 114.50  | 38.10  |
| 4 | host | *Tamarix ramosissima* | 114.60  | 34.70  |
| 4 | host | *Tamarix ramosissima* | 114.80  | 41.30  |
| 4 | host | *Tamarix ramosissima* | 116.20  | 40.00  |
| 4 | host | *Tamarix ramosissima* | 116.40  | 39.90  |
| 4 | host | *Tamarix ramosissima* | 116.60  | 35.40  |
| 4 | host | *Tamarix ramosissima* | 116.90  | 34.00  |
| 4 | host | *Tamarix ramosissima* | 117.00  | 36.70  |
| 4 | host | *Tamarix ramosissima* | 117.10  | 34.80  |
| 4 | host | *Tamarix ramosissima* | 117.30  | 39.10  |
| 4 | host | *Tamarix ramosissima* | 117.40  | 38.80  |
| 4 | host | *Tamarix ramosissima* | 118.20  | 41.00  |
| 4 | host | *Tamarix ramosissima* | 118.70  | 37.40  |
| 4 | host | *Tamarix ramosissima* | 118.70  | 43.50  |
| 4 | host | *Tamarix ramosissima* | 118.80  | 37.70  |
| 4 | host | *Tamarix ramosissima* | 119.00  | 42.30  |
| 4 | host | *Tamarix ramosissima* | 122.00  | 46.10  |
| 4 | host | *Tamarix ramosissima* | 122.30  | 43.70  |
| 4 | host | *Tamarix ramosissima* | 124.80  | 46.00  |
| 4 | host | *Tamarix ramosissima* | 126.70  | 46.00  |