

**Table S1.** Frequencies of 12 haplotypes of the 579 bp COI mitochondrial gene identified in two populations of the chequered blue butterfly (*Scolitantides orion*) from Poland (2 haplotypes: H1, H2) and deposited in the GenBank database (11 haplotypes: H1, H3-H12).

Population Haplotype	P1 (N=34)	P2 (N=30)	ES (N=9)	DE (N=2)	CH (N=1)	NO (N=3)	FI (N=1)	RO (N=7)	AL (N=1)	RU (N=1)	KZ (N=2)	KR (N=1)	CN (N=1)
H1	0.91	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
H2	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H3	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H4	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H5	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H6	0.00	0.00	0.00	0.50	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
H7	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
H9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.50	0.00	0.00
H10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00
H11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
H12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00

Population symbols (numbers of sequences used from the GenBank database are given in brackets): P1 – Parchatka; P2 – Janowiec; AL – Albania (MH407225); CH – Switzerland (MK186780); CN – China (KT236388); DE – Germany (HM391781, KX044703); ES – Spain (KP870233, KP870366, KP870455, KP870623, KP870781, GU676740, HM901246, HM901388, HM901429); FI – Finland (KT782365); KR – Republic of Korea (GU372588); KZ – Kazakhstan (FJ664037, FJ664038); NO – Norway (KX048470, KX048509, KX048958); RO – Romania (HQ005195, HQ005197, HQ005198, HQ005199, HQ005200, HQ005201, KP870981); RU – Russian Federation (JF854417).