

Table S2. Distribution data of haplotypes of six endangered goose breeds:

Hap_1:	4	[YJ30-Yanjan YJ24-Yanjan YJ18-Yanjan WZ23-wuzong]
Hap_2:	1	[YJ29-Yanjan]
Hap_3:	5	[YJ28-Yanjan YJ23-Yanjan YJ15-Yanjan YJ7-Yanjan WZ30-wuzong]
Hap_4:	12	[YJ27-Yanjan YJ21-Yanjan YJ20-Yanjan YJ19-Yanjan YE28-Yan YE26-Yan YE20-Yan XP17-xupu WZ28-wuzong WZ27-wuzong LX28-linxiang LX20-linxiang]
Hap_5:	1	[YJ26-Yanjan]
Hap_6:	4	[YJ25-Yanjan YJ22-Yanjan XP30-xupu XP27-xupu]
Hap_7:	1	[YJ17-Yanjan]
Hap_8:	1	[YJ16-Yanjan]
Hap_9:	7	[YJ13-Yanjan YJ10-Yanjan YJ3-Yanjan YE7-Yan YE1-Yan BZ15-baizi BZ14-baizi]
Hap_10:	16	[YJ12-Yanjan YJ11-Yanjan YJ6-Yanjan YE14-Yan XP29-xupu XP7-xupu WZ12-wuzong WZ9-wuzong WZ8-wuzong WZ4-wuzong WZ2-wuzong LX15-linxiang LX10-linxiang BZ11-baizi BZ10-baizi BZ7-baizi]
Hap_11:	2	[YJ9-Yanjan LX4-linxiang]
Hap_12:	2	[YJ8-Yanjan YJ5-Yanjan]
Hap_13:	9	[YJ4-Yanjan YE15-Yan WZ20-wuzong LX30-linxiang BZ27-baizi BZ19-baizi BZ12-baizi BZ9-baizi BZ4-baizi]
Hap_14:	9	[YJ2-Yanjan YE8-Yan XP2-xupu WZ11-wuzong WZ6-wuzong WZ3-wuzong WZ1-wuzong LX8-linxiang LX2-linxiang]
Hap_15:	1	[YJ1-Yanjan]
Hap_16:	5	[YE30-Yan XP13-xupu XP5-xupu LX16-linxiang BZ23-baizi]
Hap_17:	1	[YE29-Yan]
Hap_18:	1	[YE27-Yan]
Hap_19:	3	[YE25-Yan XP24-xupu BZ24-baizi]
Hap_20:	1	[YE24-Yan]
Hap_21:	1	[YE23-Yan]
Hap_22:	1	[YE22-Yan]
Hap_23:	2	[YE21-Yan LX17-linxiang]
Hap_24:	1	[YE19-Yan]
Hap_25:	3	[YE18-Yan XP25-xupu XP23-xupu]
Hap_26:	2	[YE17-Yan LX21-linxiang]
Hap_27:	1	[YE16-Yan]
Hap_28:	3	[YE13-Yan LX12-linxiang BZ26-baizi]
Hap_29:	3	[YE12-Yan LX14-linxiang LX13-linxiang]
Hap_30:	3	[YE11-Yan XP12-xupu XP8-xupu]
Hap_31:	1	[YE10-Yan]
Hap_32:	1	[YE9-Yan]
Hap_33:	3	[YE6-Yan YE2-Yan XP4-xupu]
Hap_34:	2	[YE5-Yan XP3-xupu]
Hap_35:	2	[YE4-Yan LX6-linxiang]
Hap_36:	1	[YE3-Yan]
Hap_37:	1	[XP28-xupu]

Hap_38: 1 [XP26-xupu]
Hap_39: 1 [XP22-xupu]
Hap_40: 2 [XP21-xupu XP20-xupu]
Hap_41: 1 [XP19-xupu]
Hap_42: 1 [XP18-xupu]
Hap_43: 1 [XP15-xupu]
Hap_44: 1 [XP14-xupu]
Hap_45: 1 [XP11-xupu]
Hap_46: 3 [XP10-xupu WZ13-wuzong BZ18-baizi]
Hap_47: 1 [XP9-xupu]
Hap_48: 5 [XP6-xupu BZ8-baizi BZ3-baizi BZ2-baizi BZ1-baizi]
Hap_49: 1 [XP1-xupu]
Hap_50: 1 [WZ29-wuzong]
Hap_51: 2 [WZ26-wuzong WZ19-wuzong]
Hap_52: 1 [WZ25-wuzong]
Hap_53: 1 [WZ24-wuzong]
Hap_54: 1 [WZ22-wuzong]
Hap_55: 1 [WZ21-wuzong]
Hap_56: 1 [WZ18-wuzong]
Hap_57: 1 [WZ17-wuzong]
Hap_58: 1 [WZ16-wuzong]
Hap_59: 1 [WZ14-wuzong]
Hap_60: 4 [WZ10-wuzong LX11-linxiang BZ22-baizi BZ13-baizi]
Hap_61: 1 [WZ7-wuzong]
Hap_62: 1 [WZ5-wuzong]
Hap_63: 1 [LX29-linxiang]
Hap_64: 1 [LX27-linxiang]
Hap_65: 2 [LX26-linxiang LX25-linxiang]
Hap_66: 1 [LX24-linxiang]
Hap_67: 1 [LX23-linxiang]
Hap_68: 1 [LX22-linxiang]
Hap_69: 1 [LX19-linxiang]
Hap_70: 1 [LX18-linxiang]
Hap_71: 1 [LX9-linxiang]
Hap_72: 3 [LX7-linxiang LX5-linxiang BZ6-baizi]
Hap_73: 3 [LX3-linxiang LX1-linxiang BZ30-baizi]
Hap_74: 1 [BZ29-baizi]
Hap_75: 1 [BZ28-baizi]
Hap_76: 1 [BZ25-baizi]
Hap_77: 1 [BZ21-baizi]
Hap_78: 1 [BZ20-baizi]
Hap_79: 1 [BZ17-baizi]
Hap_80: 1 [BZ16-baizi]
Hap_81: 1 [BZ5-baizi]