**Supplementary Data.** Grouping haplotypes of *Echinococcus graulosus sensu stricto* mt-CO1 sequences and accession numbers of isolates forming groups.

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| Haplotype name | No of isolates | Accession Numbers |
| Hap01 | 2 | T1 (MT537158), T5 (MT537162) |
| Hap02 | 1 | T2 (MT537159) |
| Hap03 | 7 | T3 (MT537160), T16 (MW881263), T17 (MW881264), KX685920-China, AB787546-Mongolia, AB787538-Mongolia, AB688139-Russia |
| Hap04 | 2 | T4 (MT537161), KX685905-China |
| Hap05 | 1 | T6 (MT537163) |
| Hap06 | 1 | T7 (MT537164) |
| Hap07 | 11 | T8 (MT537165), KJ556996-China, KX685889-China, AB787547-Mongolia, AB787545-Mongolia, AB787544-Mongolia, AB787543-Mongolia, AB787542-Mongolia, AB787541-Mongolia, AB787540-Mongolia, AB688136-Russia |
| Hap08 | 1 | T10 (MW881257) |
| Hap09 | 1 | T11 (MW881258) |
| Hap10 | 1 | T12 (MW881259) |
| Hap11 | 1 | T13 (MW881260) |
| Hap12 | 1 | T14 (MW881261) |
| Hap13 | 1 | T15 (MW881262) |
| Hap14 | 1 | KX685922-China |
| Hap15 | 1 | KX685921-China |
| Hap16 | 1 | KX685919-China |
| Hap17 | 1 | KX685918-China |
| Hap18 | 1 | KX685917-China |
| Hap19 | 1 | KX685916-China |
| Hap20 | 1 | KX685915-China |
| Hap21 | 1 | KX685914-China |
| Hap22 | 1 | KX685913-China |
| Hap23 | 1 | KX685912-China |
| Hap24 | 1 | KX685911-China |
| Hap25 | 1 | KX685910-China |
| Hap26 | 1 | KX685909-China |
| Hap27 | 1 | KX685908-China |
| Hap28 | 1 | KX685907-China |
| Hap29 | 1 | KX685906-China |
| Hap30 | 1 | KX685904-China |
| Hap31 | 1 | KX685903-China |
| Hap32 | 1 | KX685902-China |
| Hap33 | 1 | KX685901-China |
| Hap34 | 1 | KX685900-China |
| Hap35 | 1 | KX685899-China |
| Hap36 | 1 | KX685898-China |
| Hap37 | 1 | KX685897-China |
| Hap38 | 1 | KX685896-China |
| Hap39 | 1 | KX685895-China |
| Hap40 | 1 | KX685894-China |
| Hap41 | 1 | KX685893-China |
| Hap42 | 1 | KX685892-China |
| Hap43 | 1 | KX685891-China |
| Hap44 | 1 | KX685890-China |
| Hap45 | 1 | MH025947-Iran |
| Hap46 | 1 | MH025946-Iran |
| Hap47 | 1 | AB787548-Mongolia |
| Hap48 | 1 | AB787539-Mongolia |
| Hap49 | 1 | AB688141-Russia |
| Hap50 | 1 | AB688140-Russia |
| Hap51 | 1 | AB688138-Russia |
| Hap52 | 1 | AB688137-Russia |
| Hap53 | 1 | AB650534-Ethiopia |
| Hap54 | 1 | AB650533-Ethiopia |
| Hap55 | 1 | AB650532-Ethiopia |
| Hap56 | 1 | AB650531-Ethiopia |
| Hap57 | 1 | AB650530-Ethiopia |
| Hap58 | 1 | AB650529-Ethiopia |