

Supplementary Table 1. Haplotype sharing between the 18 Welsh and 10 top worldwide breeds summarised by geographical origin.

| | European breeds | | | | | | | USA | Iranian | New Zealand/ Australian |
|----------------------------|-----------------|----------------------------|-------|--------|----------------|--------|-------|-----|---------|----------------------------|
| | Scandinavian | Spanish/Portuguese/Italian | Irish | French | UK (non-Welsh) | German | Swiss | | | |
| Beulah | | | + | | + | | | + | | + |
| Kerry Hill | | + | + | | | | | | | + |
| Black Welsh Mountain | + | | + | + | + | | | | | |
| Clun Forest | | | | + | + | | | + | | + |
| Llanwenog | | + | | | + | + | | + | | + |
| Badger Faced | | | + | | | | | + | | + |
| Hardy Speckled Faced | | + | | + | + | + | | + | | + |
| Improved Welsh Mountain | + | + | | | + | + | | + | | + |
| Balwen | | + | | | + | | | + | | + |
| Hill Flock Welsh Mountain | + | + | | + | | | | | | + |
| Dolgellau Welsh Mountain | | + | | + | | | | + | | + |
| Llandoverly White Faced | | + | | | + | | | + | | + |
| Tregaron Welsh Mountain | + | | | + | | | | + | + | |
| Talybont Welsh Mountain | | + | | + | | + | | + | | + |
| Hill Radnor | | + | + | | + | | | + | | + |
| Brecknock Hill Cheviot | + | | | | + | + | | + | | + |
| South Wales Welsh Mountain | | | | + | + | | | | | + |
| Lleyn | | | + | | + | + | | + | | + |

The International Sheep Genome Consortium (ISCG) breeds with the highest levels of haplotype sharing (top 10) with each of the Welsh breeds are summarised by geographical origin, based on 0-10Kb resolution.