







Supplement-fig. S3-5: H 25 Median-Joining network based on trnH-psbH spacer (gaps excluded; same basic graph as shown in text-fig. 2) **Euro-Med** H\_11 H\_12 H\_10() H 70 H\_5 H\_26 632 H\_29 59 H\_36O H\_210 H 34 H\_1 H 220 484 H\_35O Member of Gr. Cerris Western Eurasian members of Gr. Ilex H 240 East Asian members of Gr. Ilex H\_9 281 28 28 Cycle-cup oaks (Gr. Cyclobalanopsis) H\_30 Eurasian castanoids **Cerris-llex** North American castanoids Golden-cup oaks (Gr. Protobalanus) Quercus Subsect. Virentes H\_37 402

WAHEA

H\_2

H\_27

H\_8

H\_33

Cycle-cup oaks (Gr. Cyclobalanopsis)

Eurasian castanoids

North American castanoids

Golden-cup oaks (Gr. Protobalanus)

Quercus Subsect. Virentes

Other white oaks (Gr. Quercus)

Red oaks (Gr. Lobatae)

Red numbers at branches: site of mutation (corresponds with number in provided singlegene matrices)

H\_1, H\_2, ....: haplotype (corresponds to information in File S2)