**Captions of Tables**

**Table 1.** Source, nuclear DNA content and genome size of 27 lines and 3 varieties of *V. sativa* used in this study.

**Table 2.** Nei (1972) genetic distance matrix for 30 common vetch lines and cultivars assessed by SRAP and ISSR markers.

**Supplemental Table 1**. The name, base number, sequence and annealing temperatures (Ta) of SRAP and ISSR primers used in the present study.

**Supplemental Table 2.** The number amplified and polymorphic bands produced by ISSR and SRAP markers for 27 lines and 3 varieties of *V. sativa*.

**Legends of Figures**

**Figure 1.** Dendrogram for 27 lines and 3 varieties of common vetch derived from cluster analysis (UPGMA) based on genetic similarity estimates (Nei 1972) from 55 SRAP and 5 ISSR marker analysis.

**Supplemental** **Figure 1.** Amplification profile of 30 genotypes generated with Me6F-Em8R SRAP primers. Lanes 1-30, plant genotypes used in the study. M, 50bp molecular size marker (Life Technologies).