



Figure S1

The plants of *Astragalus forrestii* (AF) is surrounded by more pine trees and deciduous foliage (A), *A. ernestii* (AE) grows in the steep slopes of flowstone beaches (B), and *A. acaulis* (AA) grows in alpine grassland (C).

Table S1 Information of samples collection for *Astragalus forrestii* (AF), *A. acaulis* (AA) and *A. ernestii* (AE)

Sample ID	Locality	Logitude/Latitude	Altitude(m)
AF	Dêqên	27°26'N 99°49'E	3,225
AA	Dêqên	28°19'N 99°6' E	4,353
AE	Dêqên	28°19'N 99°6' E	4,048