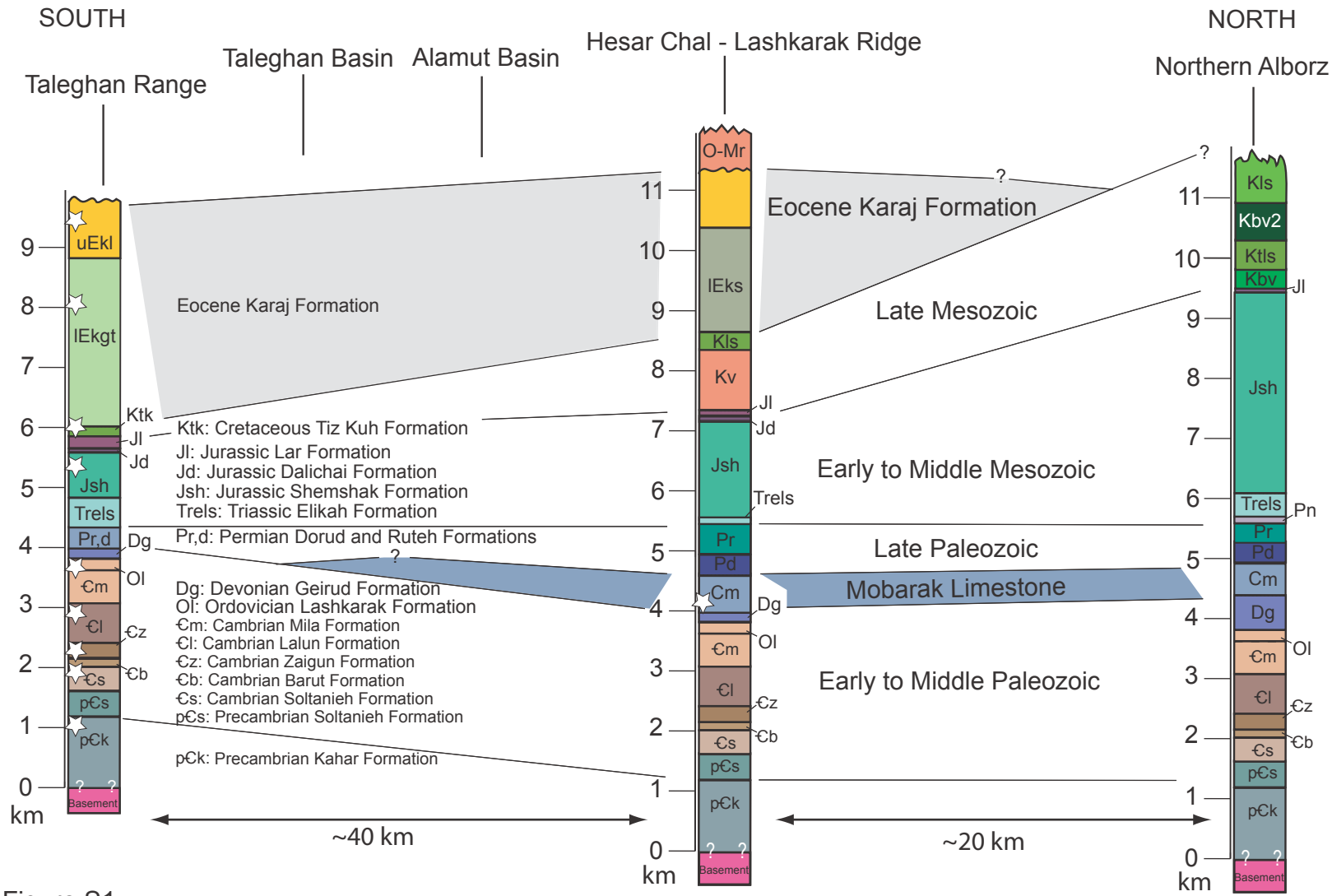
SOUTH
Taleghan Range
Taleghan Basin
Alamut Basin
Hesar Chal - Lashkarak Ridge
NORTH
Northern Alborz
uEkl
lEkgt
Ktk
Jl
Jd
Jsh
Trels
Pr,d
Dg
Ol
Cm
Cl
Cz
Cb
Cs
pCs
pCk
Basement
O-Mr
lEks
Kls
Kv
Pr
Pd
Kbv2
Ktls
Kbv
Pn
Eocene Karaj Formation
Late Mesozoic
Early to Middle Mesozoic
Late Paleozoic
Mobarak Limestone
Early to Middle Paleozoic
Ktk: Cretaceous Tiz Kuh Formation
Jl: Jurassic Lar Formation
Jd: Jurassic Dalichai Formation
Jsh: Jurassic Shemshak Formation
Trels: Triassic Elikah Formation
Pr,d: Permian Dorud and Ruteh Formations
Dg: Devonian Geirud Formation
Ol: Ordovician Lashkarak Formation
Cm: Cambrian Mila Formation
Cl: Cambrian Lalun Formation
Cz: Cambrian Zaigun Formation
Cb: Cambrian Barut Formation
Cs: Cambrian Soltanieh Formation
pCs: Precambrian Soltanieh Formation
pCk: Precambrian Kahar Formation
~40 km
~20 km
km

Figure S1