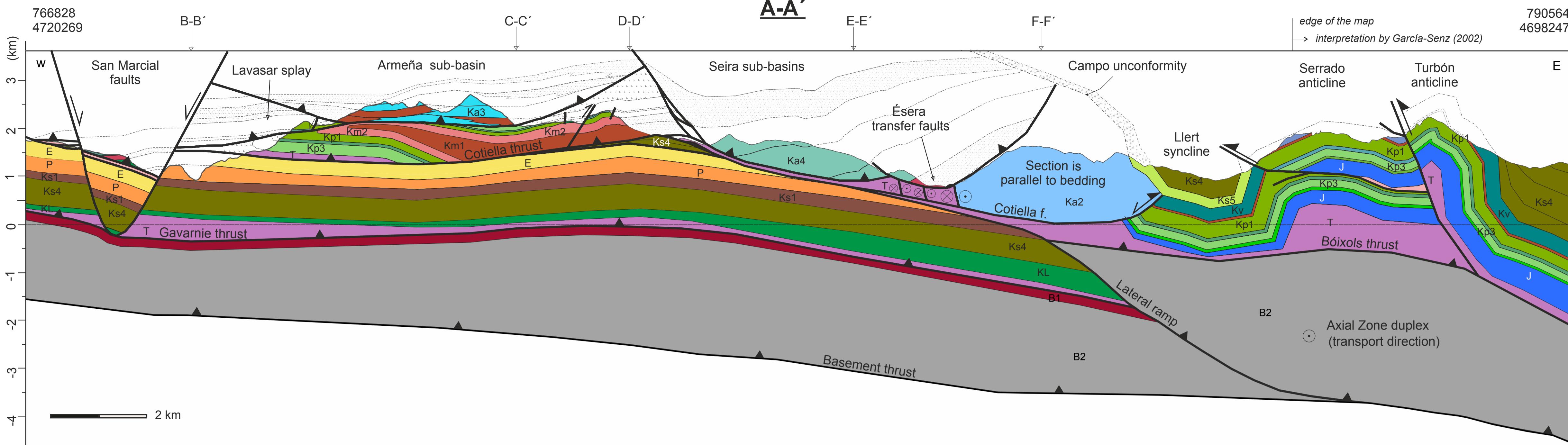
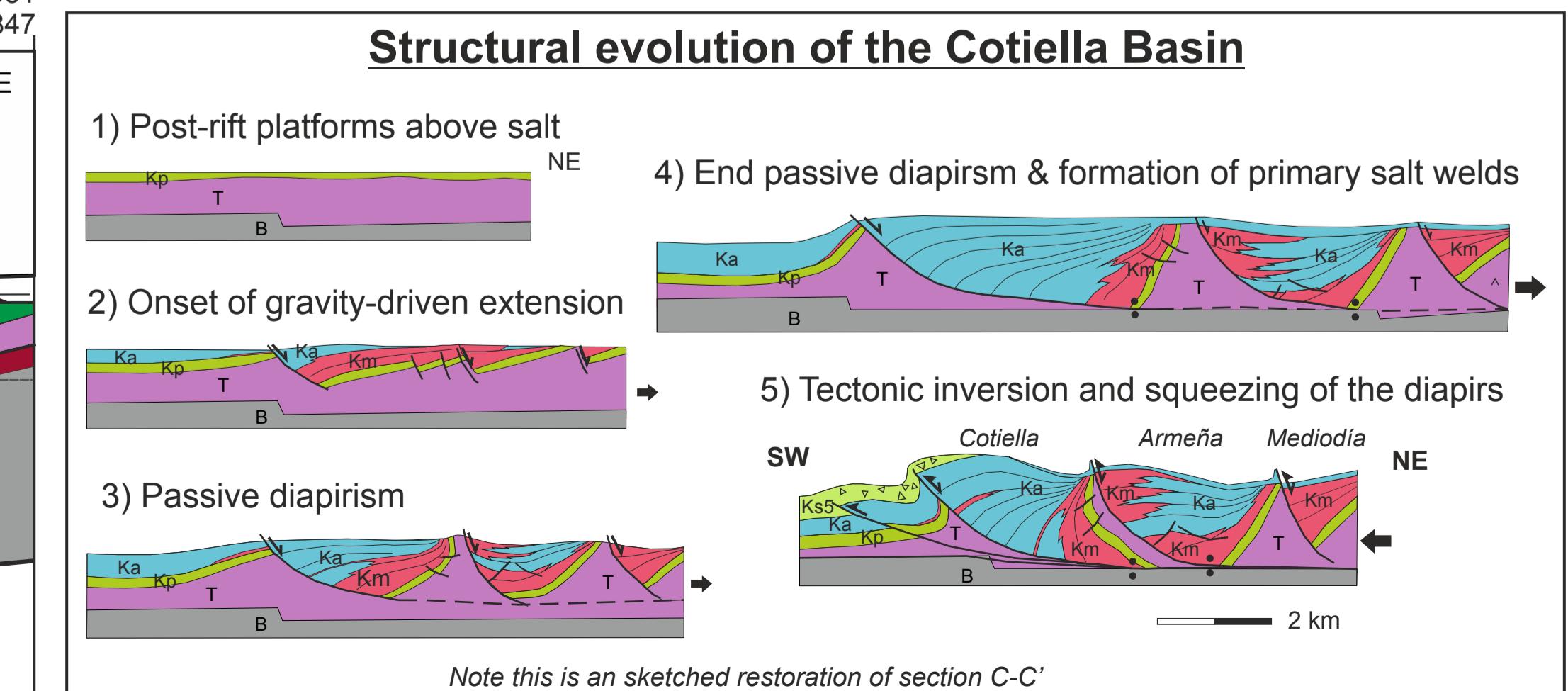
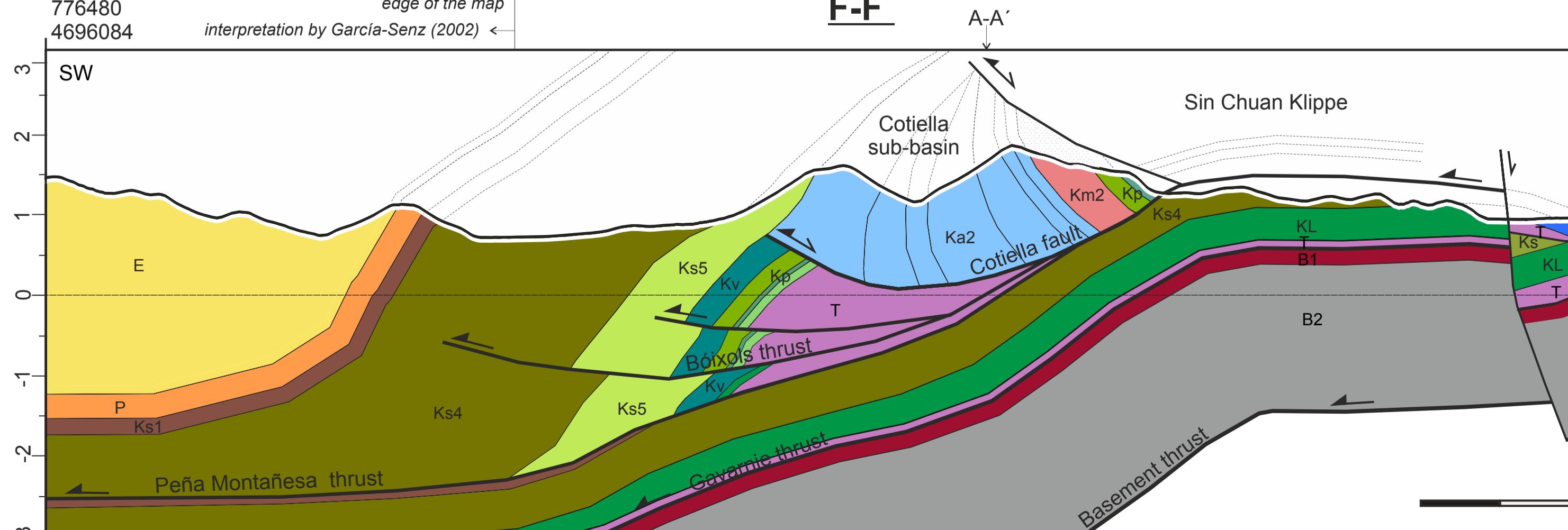
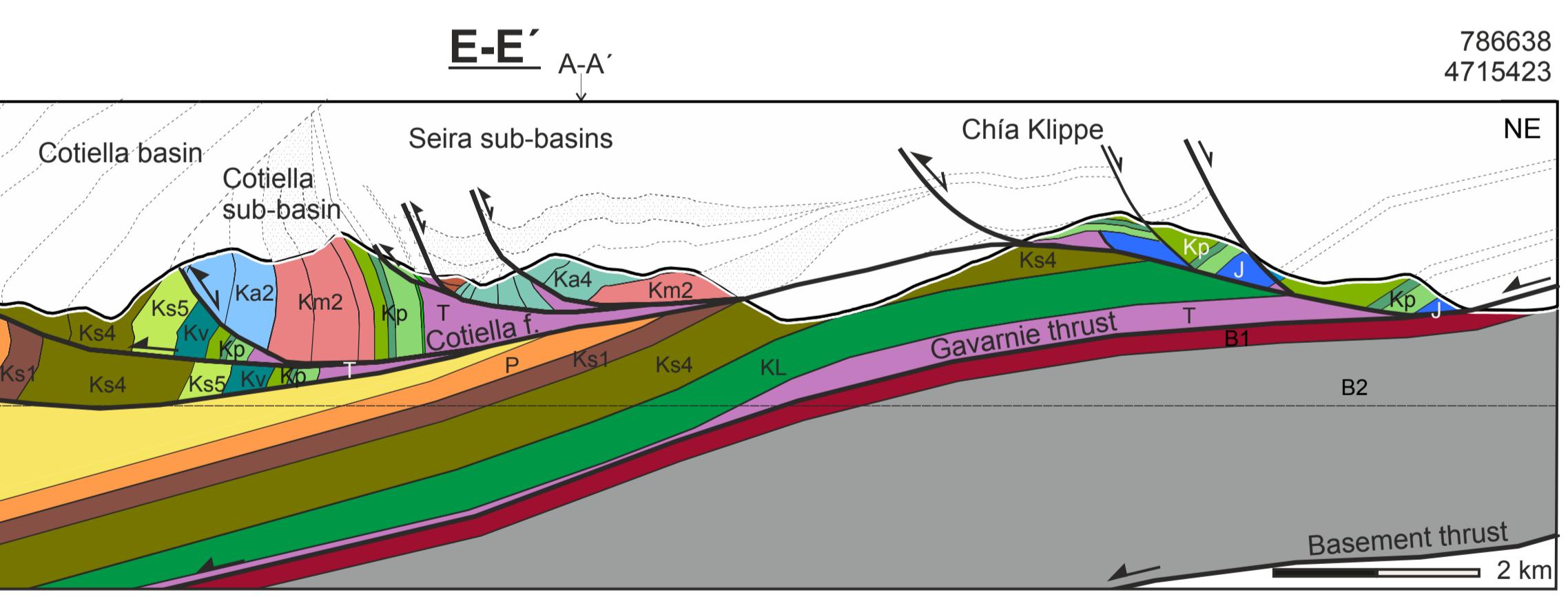
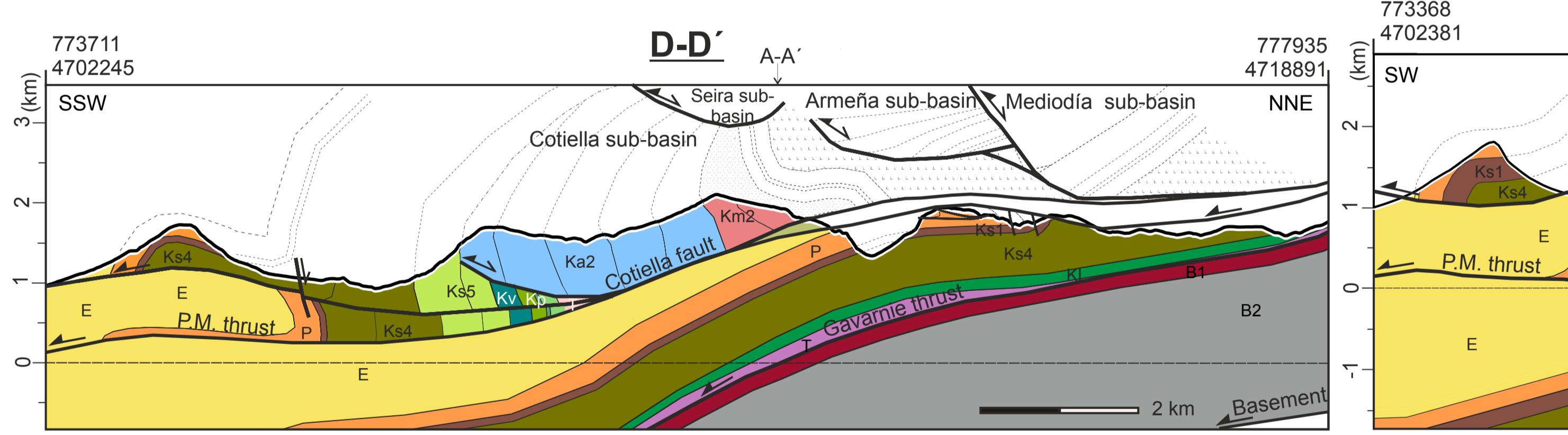
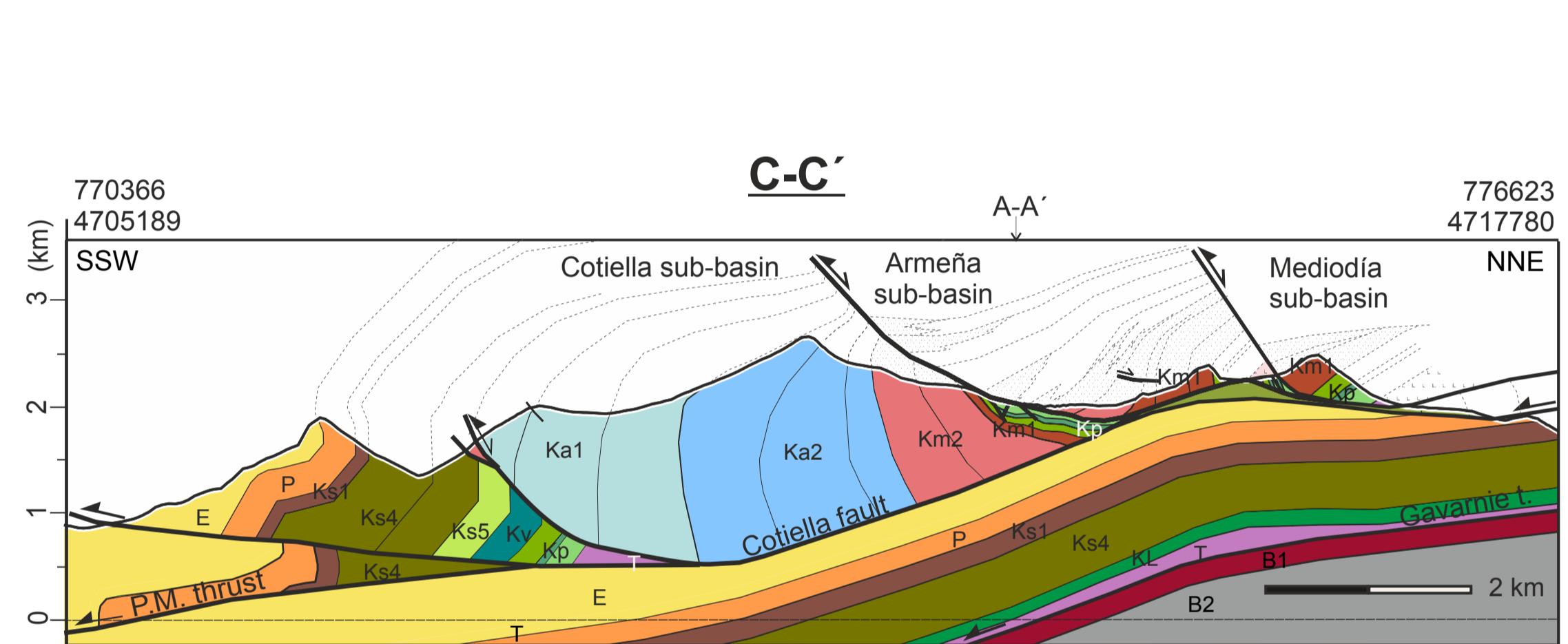
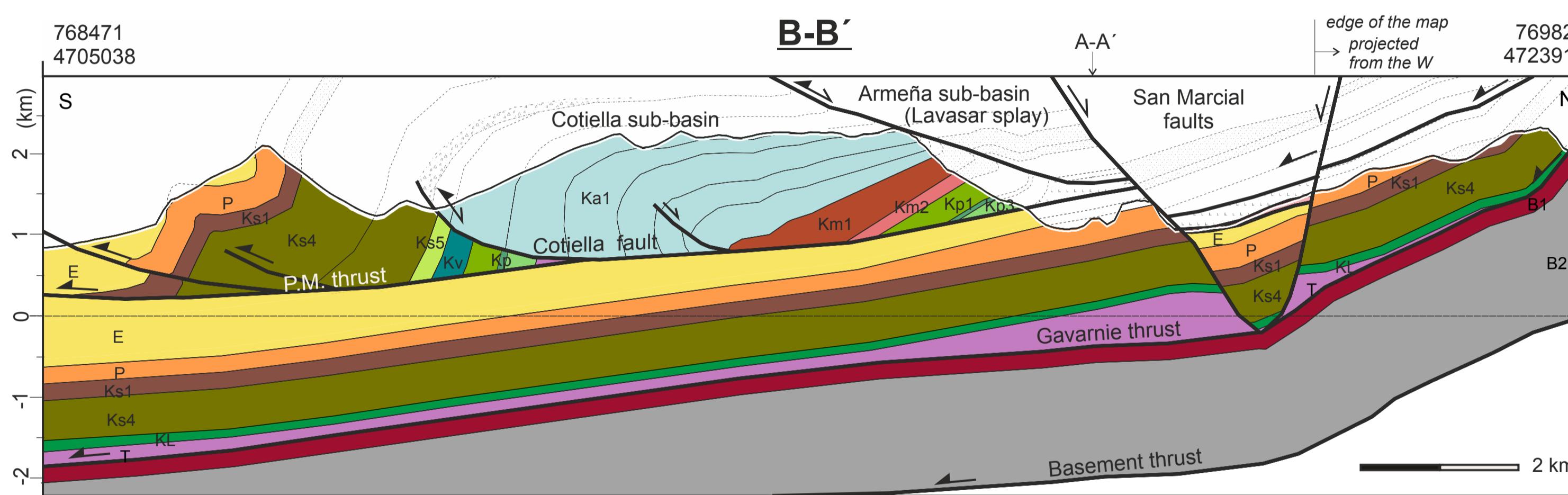


# CROSS-SECTIONS OF THE COTIELLA THRUST SHEET AT 1:50000 SCALE. López-Mir, B.; García-Senz, J. and Muñoz, J.A.

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These cross-sections accompany the 1:25.000 map of Cotiella thrust sheet. A-A', B-B' and F-F' cross-sections extend beyond the boundaries of the map.



## Colour key

(indicating which units have been grouped in the cross-sections)

### SYN-OROGENIC

**Eocene**

- E Limestones, marine detritics and marls (undiff.)

**Paleocene**

- P1 Sandy limestones with cross-bedding (undiff.)
- P2 Massive grey limestones (undiff.)

**Late Santonian - Maastrichtian**

- Ks1 Quartzarenites and sandy limestones (Areny Fm)
- Ks2 Turbidites and marls (Barbarués Fm)
- Ks3 Sandy limestones (undiff.)
- Ks4 Turbidites and marls (Mascarell Mb)
- Ks5 Heterolithic carbonates breccia (Campillo Breccia Mb)

### POST-RIFT (Cotiella Basin)

#### Syn-extensional salt tectonics

**Middle Coniacian - early Santonian**

- Kv Massive limestones with *Lacazina* (Ventamillo Fm)
- Kan Grey marls and marly limestones (Añerola Fm)
- Ka1 Massive light grey limestones with rudists, *Lacazina* and chert nodules (Gallinés Ut)
- Ka2 Micritic to granular dark grey limestones with sponge spicules (Aguañesalenz Ut)
- Ka3 Marly limestones with flint nodules and sponge spicula (Armenia Ut)
- Ka4 Limestones and marly limestones with some echinoderms, sponges, rudists and coral debris (Seira Ut)
- Km1 Red-orange sandy grainstones with quartz gravel, bioclasts, rudists and cross-stratification (Macifos Ut)
- Km2 Grey sandy grainstones with quartz gravel (Angón Ut)

#### Pre-extensional salt tectonics

**Late Albian - early Coniacian**

- Kp1 Packstone with miliolids (Congost Fm)
- Kp2 Limestones with *Phitonella* (Pardina Limestone)
- Kp3 Limestones with *Praealveolina* (Praealveolina)
- Kp4 Quartzarenites and limestones with *Orbitolina* (Turbón Sandstone)

### SYN-RIFT

**Early Cretaceous**

**Ke** Limestones (undiff.)

### PRE-RIFT

**Jurassic**

**J** Dolomites and limestones

### Main detachment

**Middle - Late Triassic**

- T1 Gypsiferous shales with gypsum (Keuper facies)
- T2 Dolerites (Keuper facies)
- T3 Limestones (Muschelkalk facies)

### Basement

**Paleozoic - Early Triassic**

**B1** Permian - Early Triassic red beds (Buntsandstein facies)

**B2** Paleozoic metasedimentary rocks