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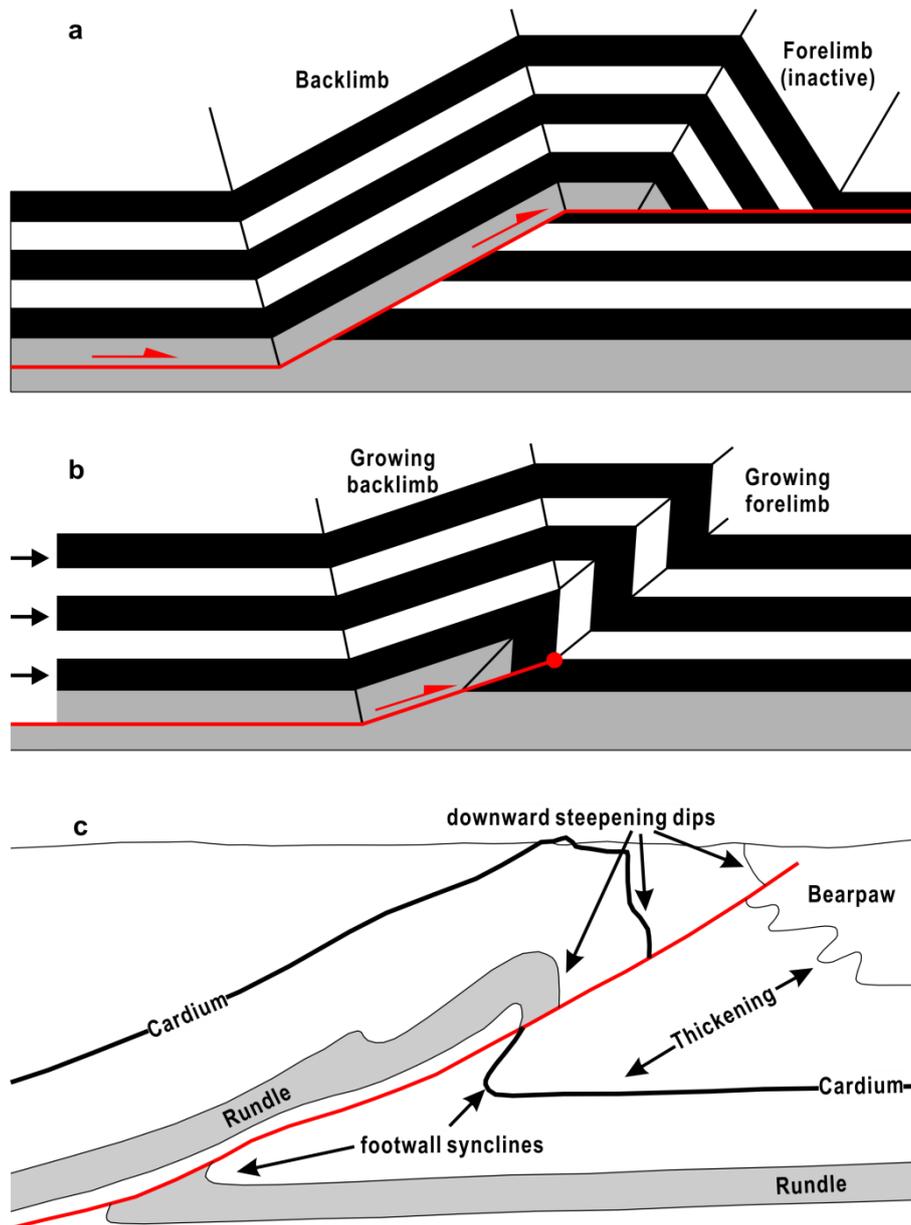
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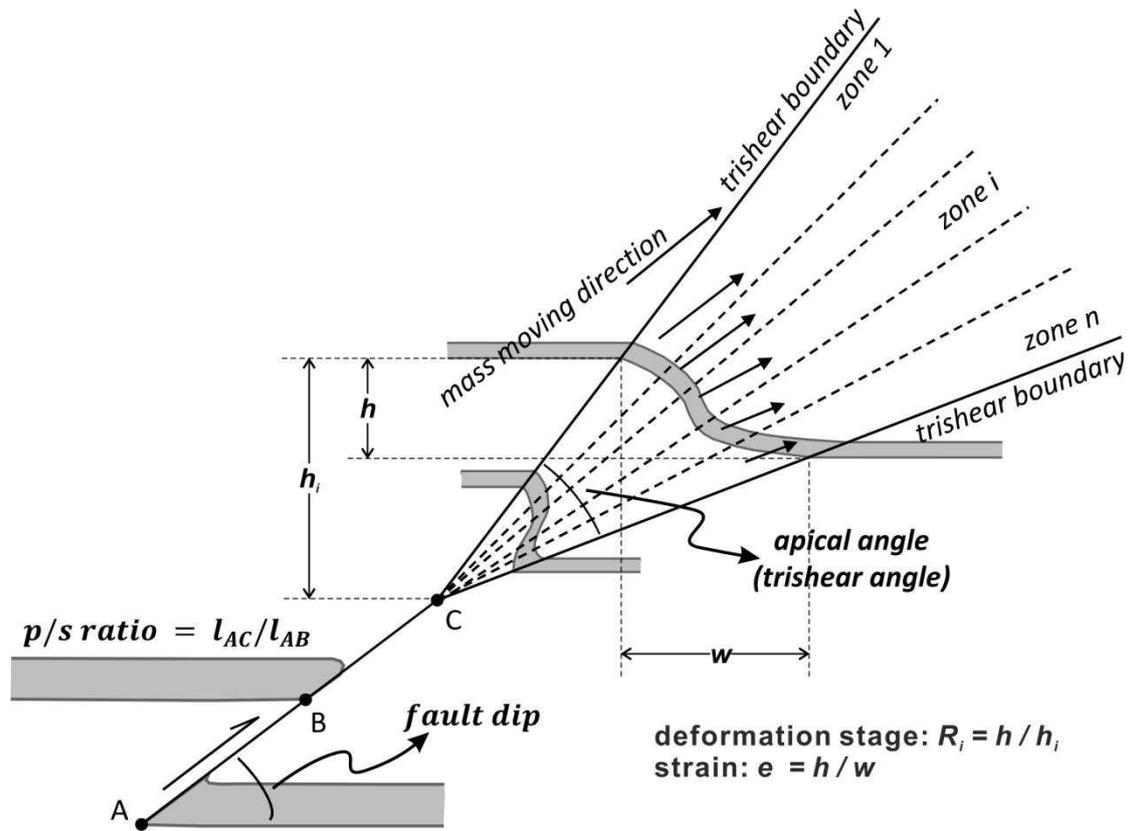
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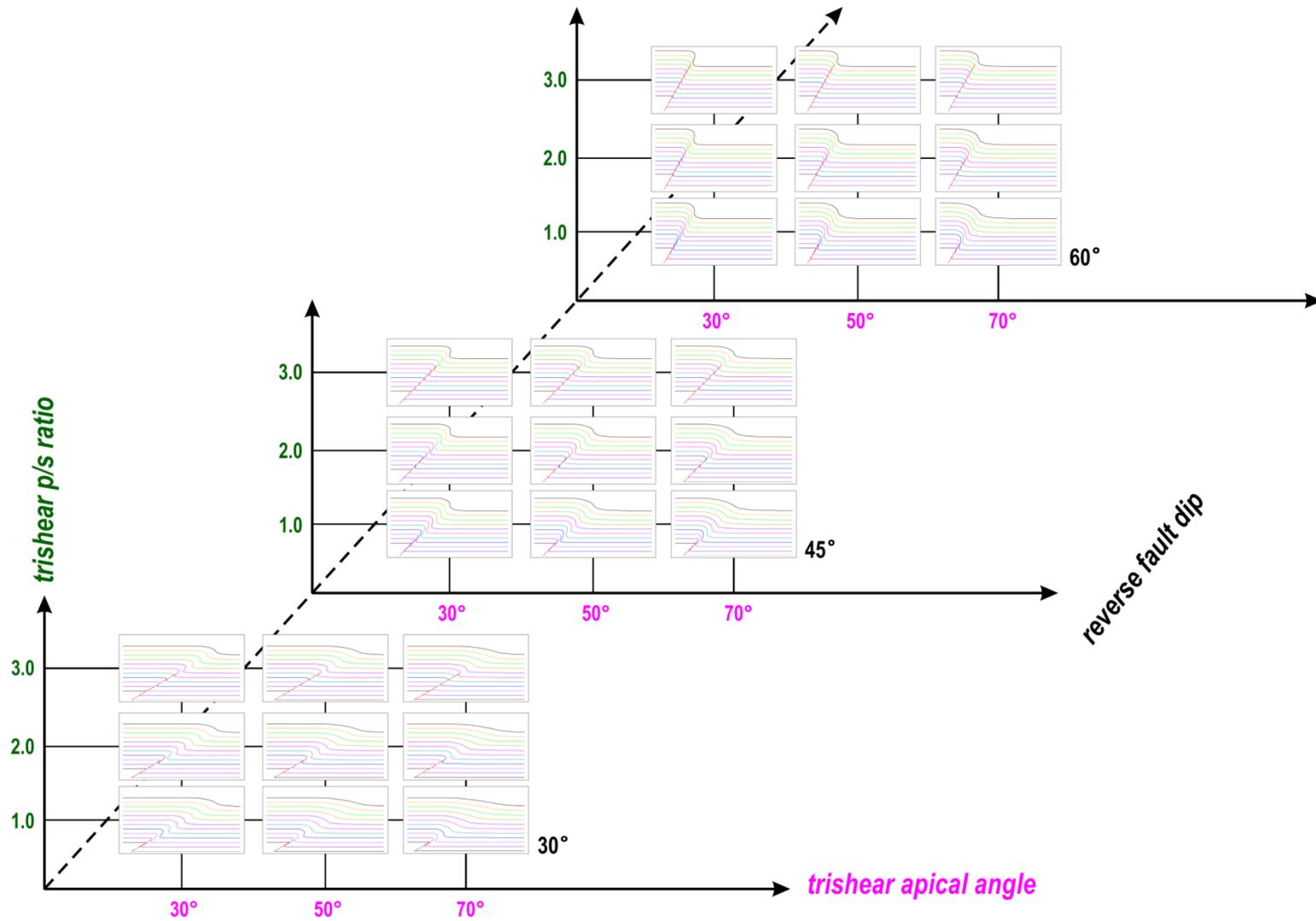
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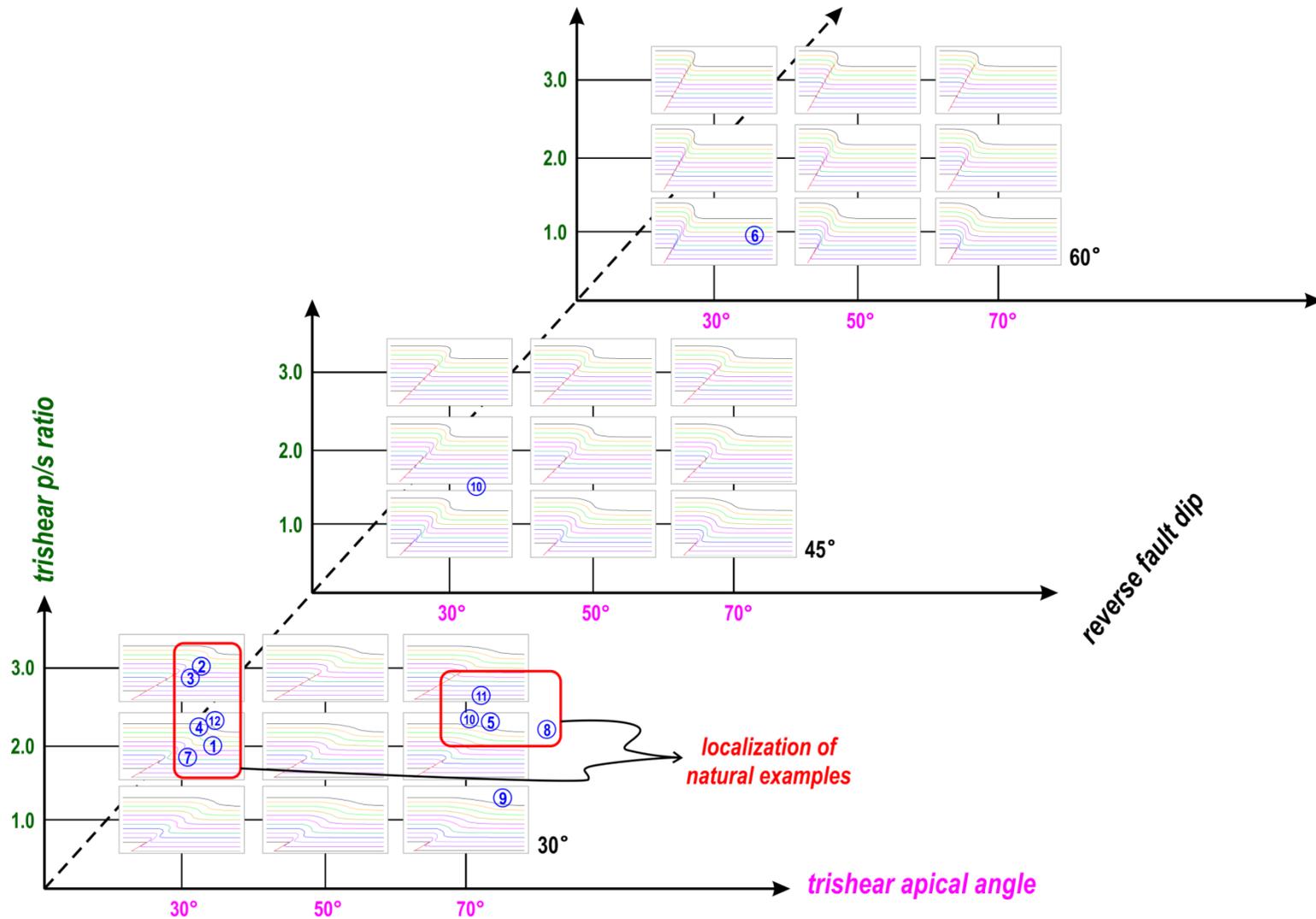
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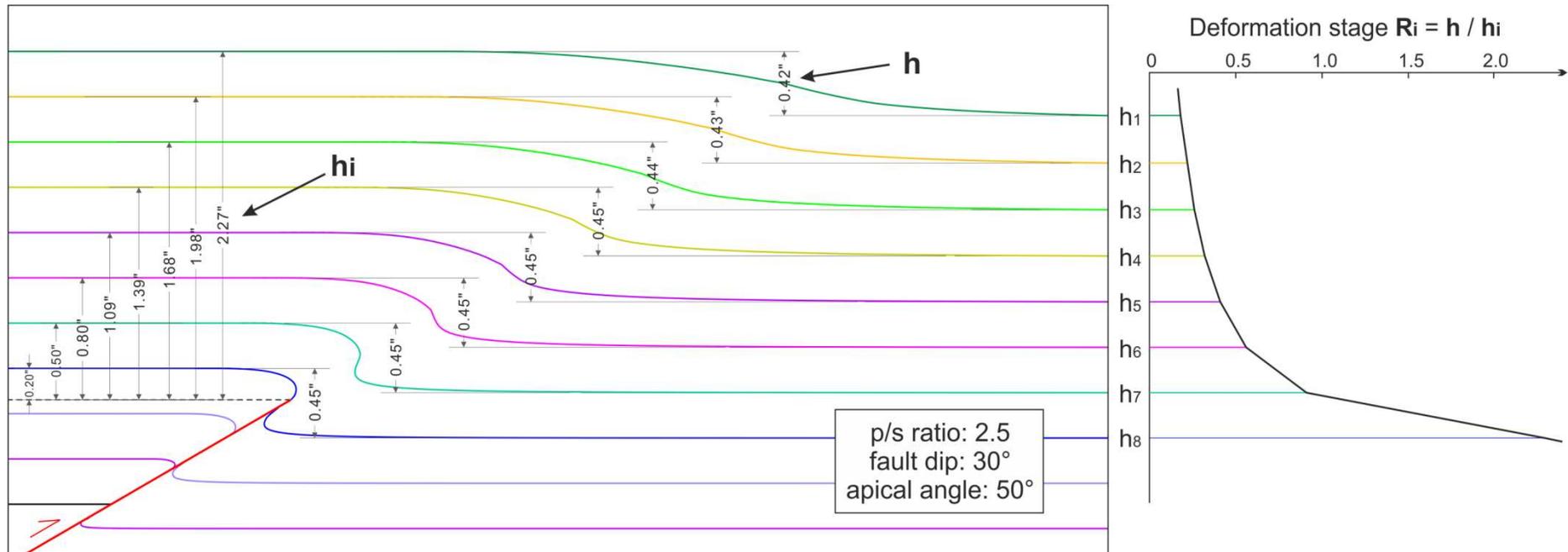
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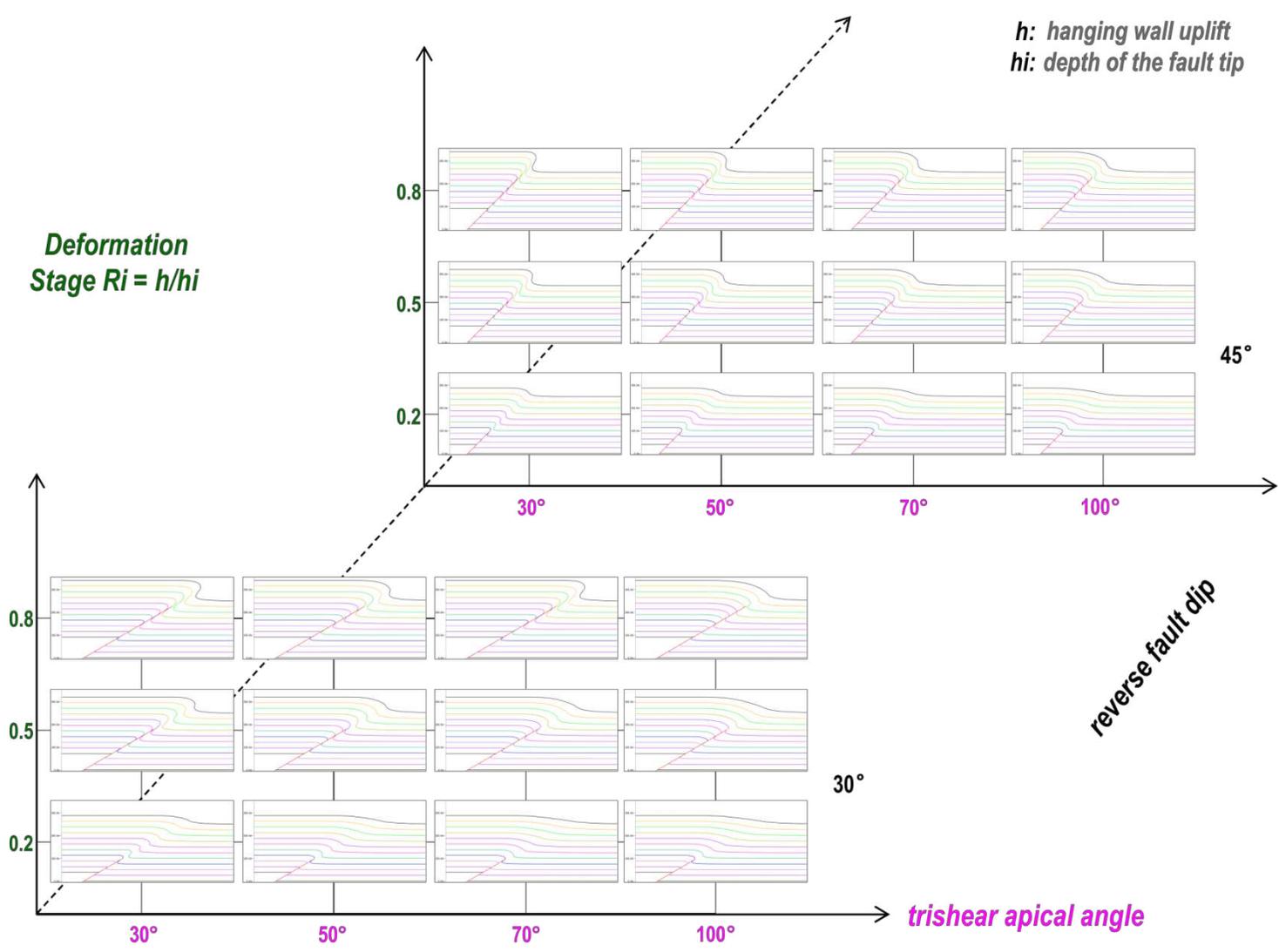
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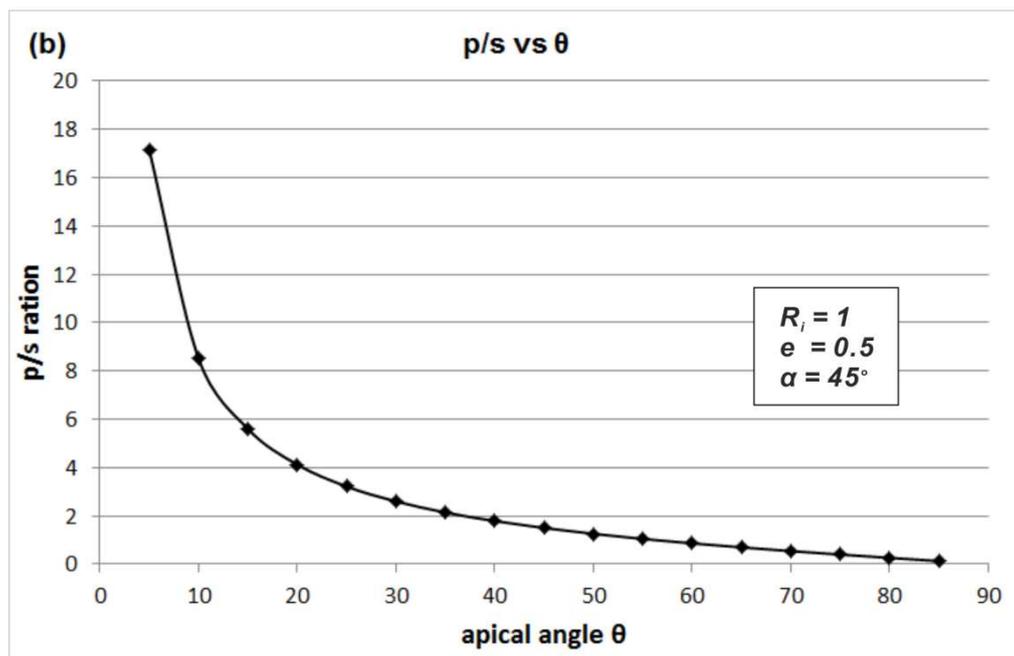
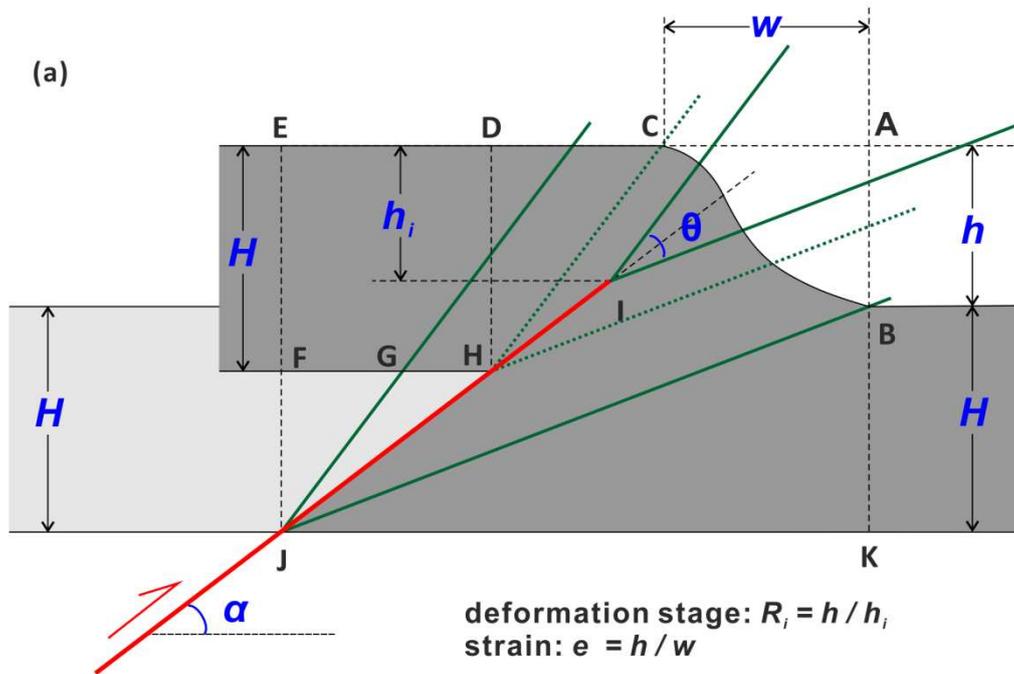
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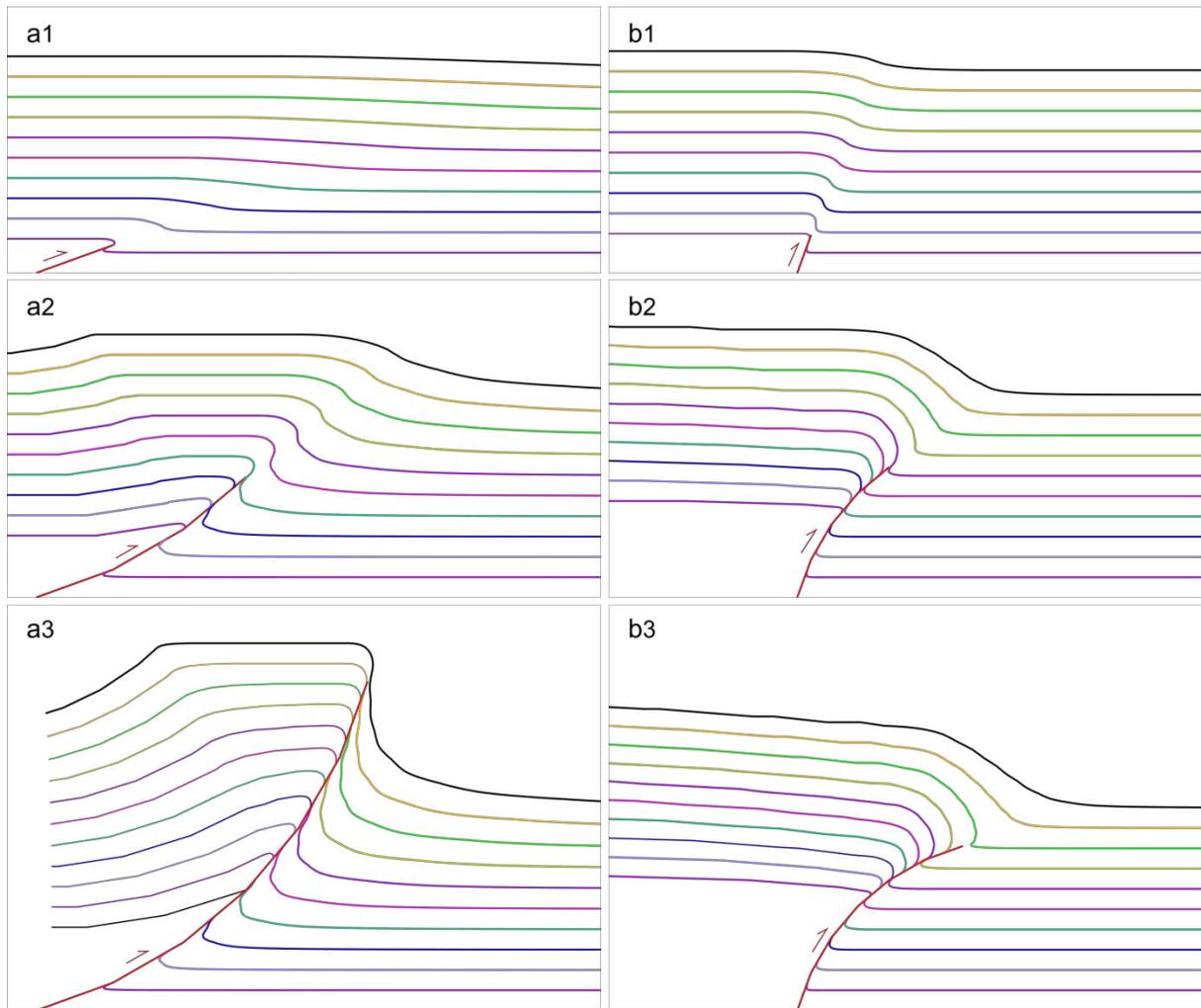
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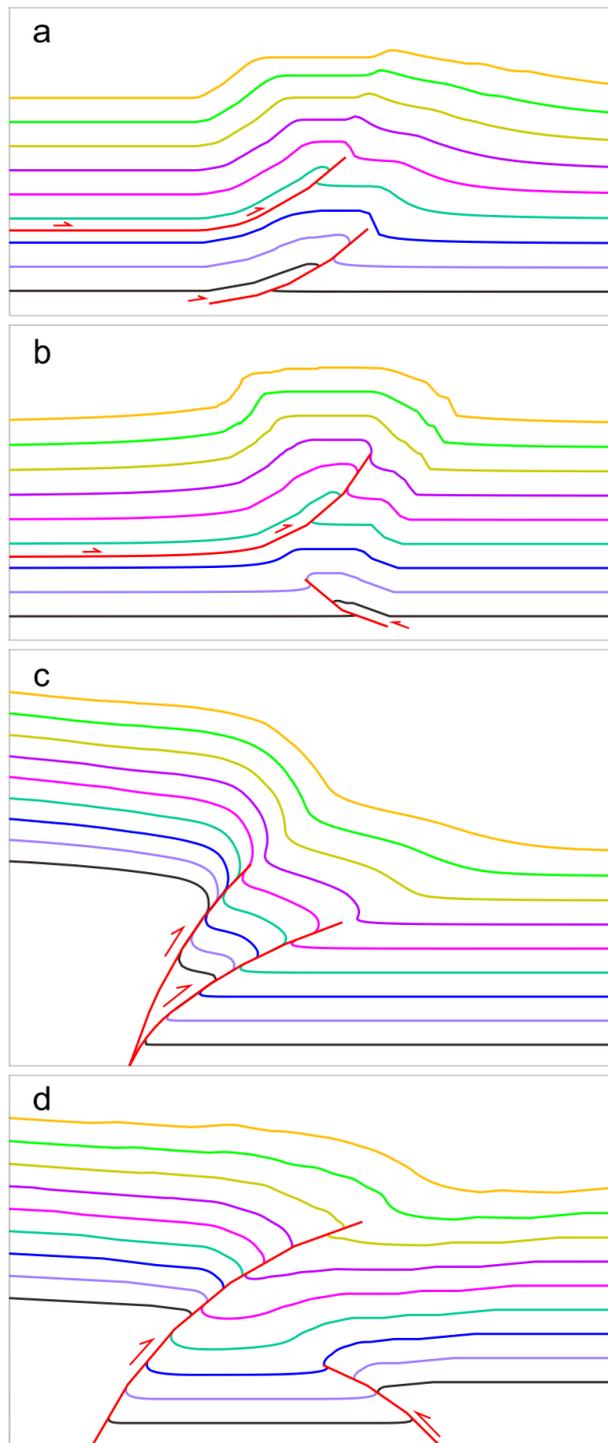
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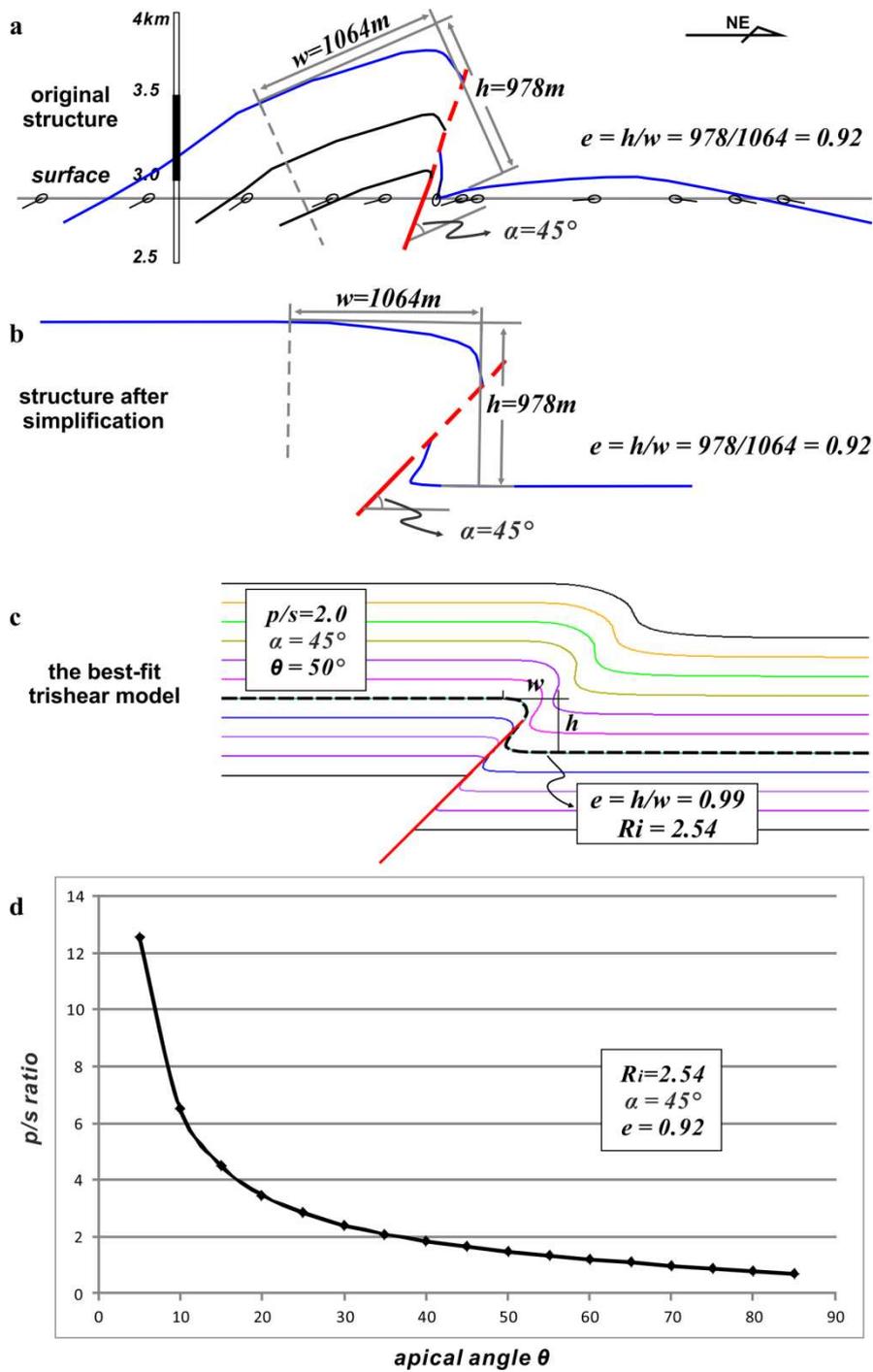
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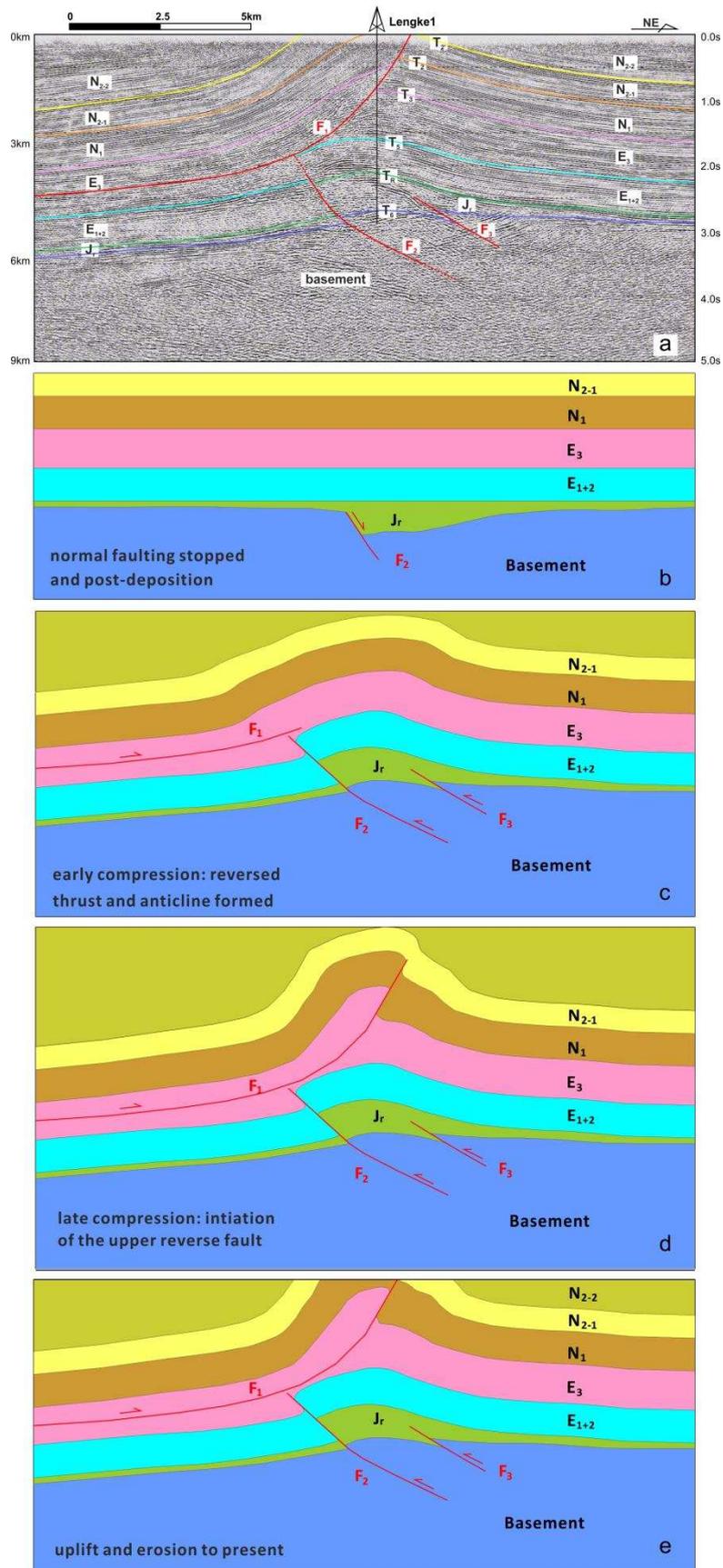
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90 **Tables**

91 Table 1. A cluster of natural trishear examples in published studies and their corresponding best-fit parameters.

| Ref No. | Structure names | Basement-involved | p/s ratio | apical angle | fault dip | Scale, fault slip or stratigraphy | Example Sources |
|---------|---|-------------------|-----------|--------------|-----------|---|---|
| 1 | Turner Valley, Rocky Mountain | No | 2.0+ | 37 | 25 | Scale: 12km*30km (section width*depth); fault slip: 10km; | Hardy and Ford (1997) |
| 2 | Tejerina Fault, Spain | No | 3.0+ | 35 | 30 | Scale: 0.8km*1.2km; fault slip: 250m; stratigraphy: conglomerates with thin shales; | Hardy and Ford (1997) |
| 3 | Broad Haven, Pembrokeshire | No | 3.0+ | 35 | 24 | Scale: 6m*10m; fault slip: 2m; | Hardy and Ford (1997) |
| 4 | Hudson Valley, New York | No | 2.5 | 30-35 | 36 | Scale: 2km*3km; fault slip: 0.3km; | Allmendinger (1998) |
| 5 | Rangely anticline, W US | No | 2.3 | 76 | 38 | Scale: 6km*12km; fault slip: 4.2km; | Allmendinger (1998) |
| 6 | Reelfoot Fault, Proctor, US | Yes | 0.9 | 36 | 80 | Scale: 0.5km*0.8km; fault slip: 52m; | Champion et al. (2001) |
| 7 | Filo Morado structure, W Neuquen basin | No | 1.9 | 35 | 30-40 | Scale: 4km*10km; fault slip: 8.7km; stratigraphy: thick units (evaporates & shales) | Allmendinger et al. (2004) |
| 8 | Waterpocket anticline, S Utah | No | 2.25 | 105 | 35 | Scale: 5km*10km; fault slip:3.8km; | Cardozo (2005) |
| 9 | Rip Van Winkle anticline, New York | No | 1.5 | 90 | 25 | Scale: 5km*8km; fault slip:43m; stratigraphy: wackstone, packstone and grainstone; | Cardozo et al. (2005) |
| 10 | Dalong fault, Gansu, China | Yes | 1.5 | 30 | 50 | Scale: 5km*10km; fault slip:669m; stratigraphy: basement + cover (terrestrial clastic sediments); | Gold et al. (2006) |
| 11 | Chelungpu fault, Taiwan | No | 2.5 | 80 | 35 | Scale: 5m*40m; fault slip: 6m; stratigraphy: clay, silt clay with sand; | Lin et al. (2007) |
| 12 | Hudson Valley, New York | No | 2.4 | 36 | 35 | Scale: 2km*3km; fault slip: 0.3km; | Cardozo and Aanonsen (2009) |
| 13 | Santa Fe Springs anticline, Los Angeles basin | No | 2.52 | 71 | 29 | Scale: 7km*12km; fault slip:6.7km; | Cardozo and Aanonsen (2009) |

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