

Table 1. : Alignments of cysteines and disulfide bridges in 8-aa-ring Growth Factor-related molecules

| | N-ter | k | loop 1 | | | | ring | | | loop 2 | | | k | loop 3 | | | ring | | C-ter | | | | | | | | |
|-------------------------------|-------|---|--------|----|----|----|------|----|---|--------|----|----|----|--------|----|-------|------|----|-------|----|----------|---|----|---|-----|---|-----|
| | | 1 | I | SB | | 2 | | | 3 | | II | 4 | | III | | 5 | 6 | | IV | V | SB | | | | | | |
| hBMP ₇ | | C | 28 | | | | C | 1 | G | 1 | C | 31 | C | C | 31 | | | C | 1 | C | | | | | | | |
| TGFβ ₉ | C | 7 | C | C | 27 | | | | C | 1 | G | 1 | C | 28 | C | C | 30 | | | C | 1 | C | | | | | |
| GDF8 ₉ | C | 8 | C | C | 26 | | | | C | 1 | G | 1 | C | 25 | C | C | 31 | | | C | 1 | C | | | | | |
| hGrem ₉ | | C | 13 | C | 9 | | | | C | 1 | G | 1 | C | 18 | C | 2 | C | 13 | C | 17 | C | 1 | C | | | | |
| hCer1 ₉ | | C | 13 | C | 9 | | | | C | 1 | G | 1 | C | 15 | C | 2 | C | 13 | C | 15 | C | 1 | C | | | | |
| hDAND1 ₁₀ | | C | 13 | C | 9 | | | | C | 1 | G | 1 | C | 18 | C | 2 | C | 13 | C | 18 | C | 1 | C | 2 | C | | |
| hGPA2 ₁₀ | | C | 16 | C | 8 | | | | C | 1 | G | 1 | C | 26 | C | C | 13 | C | 15 | C | 1 | C | 2 | C | | | |
| hGPB5 ₁₀ | | C | 13 | C | 9 | | | | C | 1 | G | 1 | C | 19 | | C | 14 | C | 15 | C | 1 | C | 2 | C | 6 | C | |
| hGPHα ₁₀ | C | 2 | C | 17 | | | | C | 1 | G | C | C | 26 | C | C | 22 | | | C | 1 | C | 2 | C | | | | |
| hGPHβ ₁₂ | | C | 13 | C | 2 | C | 7 | C | 1 | G | 1 | C | 18 | | C | 14-16 | C | 15 | C | 1 | C | 2 | C | 6 | C | 9 | C |
| <i>hCGβ</i> <i>number.</i> | | 9 | | 23 | | 26 | | 34 | | | | 38 | | 57 | | | | | | | | | 93 | | 100 | | 110 |
| | | | | | | | | | | | | | | | | | | | | | seatbelt | | | | | | |

8-membered Ring : C2-1-G-1-C3-C6-1-C5-C2

performing cystine : C1-C4

- red hyphens represent SS bridges