

Supplementary Table 4 Significant differences in expression levels of *PsHAP3A* (**a** and **c**) and *PsVP1* (**b** and **d**) during zygotic (**a** and **b**) and somatic (**c** and **d**) embryogenesis in Scots pine. The analyses are based on the values presented in Fig. 4 **b-e**

| a | | PsHAP3A | | | | | | | | b | | PsVP1 | | | | | | | | | |
|------------------------|---|----------------|---|----|----|----|----|----|----|----------|--|--------------|-------|----|----|----|----|----|----|----|----|
| | | stage | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | stage | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Zygotic embryos | 1 | | | ns | ns | ** | ** | ** | ** | ** | | 1 | | ns | * | * | * | ** | * | * | * |
| | 2 | | | | ns | ** | ** | ** | ** | ** | | 2 | | | ns | ns | * | * | * | * | ns |
| | 3 | | | | | * | ** | ** | ** | ** | | 3 | | | | ns | ns | ns | ns | ns | ns |
| | 4 | | | | | | ns | ns | ns | ns | | 4 | | | | | ns | ns | ns | ns | ns |
| | 5 | | | | | | | ns | ns | ns | | 5 | | | | | | ns | ns | ns | ns |
| | 6 | | | | | | | | ns | ns | | 6 | | | | | | | ns | ns | ns |
| | 7 | | | | | | | | | ns | | 7 | | | | | | | | ns | ns |
| | 8 | | | | | | | | | | | 8 | | | | | | | | | ns |
| Somatic embryos | 1 | | | * | ** | ** | * | * | * | ns | | 1 | | ns | * | * | * | * | * | * | * |
| | 2 | | | | ns | ns | ns | ns | ns | ns | | 2 | | | ns | ns | ns | ns | ns | ns | ns |
| | 3 | | | | | ns | ns | ns | ns | ns | | 3 | | | | ns | ns | ns | ns | ns | ns |
| | 4 | | | | | | ns | ns | ns | ns | | 4 | | | | | ns | ns | ns | ns | ns |
| | 5 | | | | | | | ns | ns | ns | | 5 | | | | | | ns | ns | ns | ns |
| | 6 | | | | | | | | ns | ns | | 6 | | | | | | | ns | ns | ns |
| | 7 | | | | | | | | | ns | | 7 | | | | | | | | ns | ns |
| | 8 | | | | | | | | | | | 8 | | | | | | | | | ns |

* = $P < 0.05$

** = $P < 0.001$

ns = not significant