

## Supplementary material

## Calmodulin disruption impacts growth and motility in juvenile liver fluke

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## Supplementary Figure 1

Multiple amino acid sequence alignment of the *F. hepatica* calmodulin proteins encoded in the genome. An asterisk (\*) indicates fully conserved/identical amino acids, a colon (:) indicates conservation between strongly similar amino acids, and a period(.) indicates conservation between weakly similar amino acids. Gray shading indicates the EF-hand domains (Ca-binding sites) and the brackets enclose the alpha-helix linker domain. These proteins are coded for at the following (inclusive) locations: FhCaM1\_Scaff932\_1, 149aa, coded at positions 97899-98345; FhCaM1\_Scaff932\_2, 131aa, coded at positions 98778-99170; FhCaM1\_Scaff210, 139aa, coded at positions 222587-222763, 222801-222938, 227165-227266; FhCaM2\_Scaff 2277, 148aa, coded at positions 89419-89246, 89207-89067, 74404-74303, 73311-73285; FhCaM3\_Scaff1560, 146aa, coded at positions 175743-175609, 169742-169644, 168552-168394, 167886-167842. Note FhCaM2 and FhCaM3 are coded on the reverse strand of their respective scaffolds and the positions presented represent the complement strand.