

## **Supplementary Figure S1**

Clustal X multiple sequence alignment for human FGF 1-23 (except FGF 15, which is only found in the mouse), showing underneath (in grey) a bar graph of relative site conservation. (Reproduced with kind permission from Dr Larry Taylor, University of Michigan.)

## **Supplementary Movie S2**

The first ten seconds of this movie show the beta-trefoil fold cartoon structure of FGF1 (PDB code 3UD7) in green. The display then overlays ten amino acid residues with high conservation in the alignment shown in S1, namely: LEU14, LEU23, VAL54, ILE56, GLY71, LEU73, CYS83, PHE85, GLU87, SER99.