

Supplementary Figure 2. Protein alignment of *MTM1* for diverse species.

Domestic cat (FCAT, ENSFCAT00000024072.4, Refseq XM_023249466.1), human (HSA, ENST00000370396.7, Refseq NM_000252.3), mouse (MMU, ENMUST00000051970.12, Refseq NM_001164191.1), and zebrafish (DR, ENSDART00000149835.3, Refseq NM_001037684.2). Protein alignment produced using PRALINE¹⁴. The highlighted alanine at position 152 is conserved across diverse species indicating function importance and a high conservation score. The c.455C>T alteration causes a p.ala152val amino acid change.