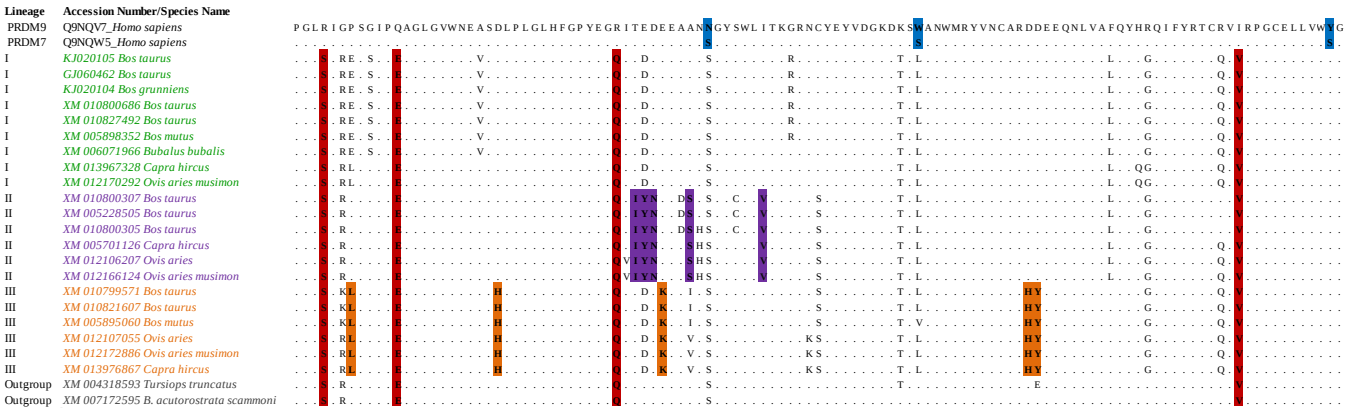Additional file 3. The PR domains of human PRDM7 and PRDM9 are aligned with the corresponding sequences of each lineage. The human PRDM7 (accession: Q9NQW5) and PRDM9 (accession: Q9NQV7) were recently reported (residues 244-358) in Blazer *et al*., 2016. The three divergent residues in the PR domain between the human PRDM7 and PRDM9 (Blazer *et al*., 2016) are highlighted in blue color. Amino acid residues unique to the PR domain of each lineage are colored coded.