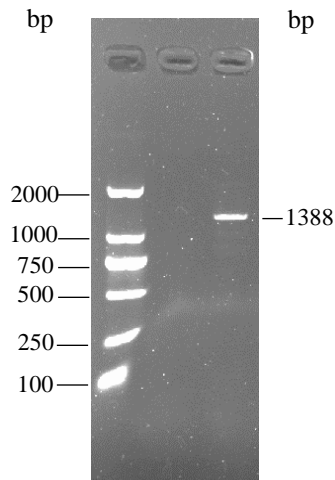
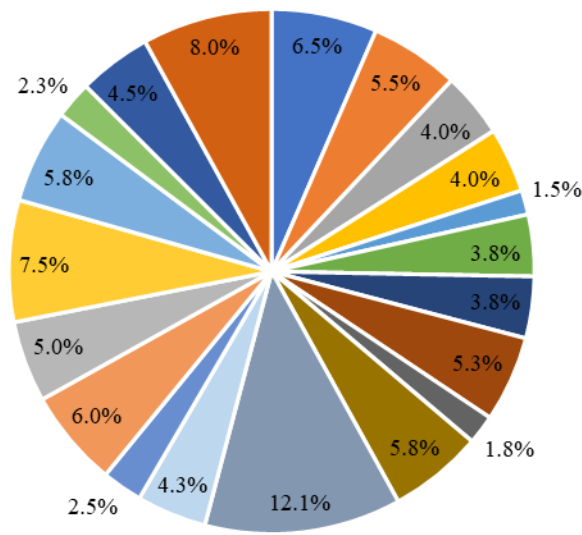


(a)



(c)

- Ala (A)
- Arg (R)
- Asn (N)
- Asp (D)
- Cys (C)
- Gln (Q)
- Glu (E)
- Gly (G)
- His (H)
- Ile (I)
- Leu (L)
- Lys (K)
- Met (M)
- Phe (F)
- Pro (P)
- Ser (S)
- Thr (T)
- Trp (W)
- Tyr (Y)
- Val (V)



(b)

STEAP4_Capra_hircus XM_005679300.3 Consensus	TCGAGCTCGGTACCCGGGATCCTCTAGAGATTGCACCTCTCCCGCAGTTATGGAGAAAATTTCTACAGATGCATTTCCCTCTCACTATGCATTCTTCAGA ATGGAGAAAATTTCTACAGATGCATTTCCCTCTCACTATGCATTCTTCAGA atggagaaaatTTctacagatgcatttccctctcactatgcattcttcaga	100 50
STEAP4_Capra_hircus XM_005679300.3 Consensus	AAAGCAAGAACTGTATGCATTTTGGAACTGGAGATTTTGGAAAGTCACTGGGACTTAAAATGCTCCAGTGTGGTTATTCTGTGTGTTTTGGAAGTCGA AAAGCAAGAACTGTATGCATTTTGGAACTGGAGATTTTGGAAAGTCACTGGGACTTAAAATGCTCCAGTGTGGTTATTCTGTGTGTTTTGGAAGTCGA aaagcaagaaactgtatgcatttttggaaactggagattttggaaagatcactgggacttaaaaatgctccagtggttattctgtgtgttttggaaagtcga	200 150
STEAP4_Capra_hircus XM_005679300.3 Consensus	ACCCCCAGAGGTCCAGCCTGCTGCCAATGGTGCAGAGGTCATGAGCTACTCTGATGCAGCCAGAAAATCTGACATTATAATCATAGCAATACACAGGG ACCCCCAGAGGTCCAGCCTGCTGCCAATGGTGCAGAGGTCATGAGCTACTCTGATGCAGCCAGAAAATCTGACATTATAATCATAGCAATACACAGGG acccccagaggtccagcctgctgccaatggtgcagaggtcatgagctactctgatgcagccagaaaatctgacattataatcatagcaatacacaggg	300 250
STEAP4_Capra_hircus XM_005679300.3 Consensus	AACATTATGATTTTCTCAGAAATTAACCGATGTTCTCAATGGGAAAATATTTGGTGCAGCTCAGCAACAACCTCAAATCAATCAGTATCCAGAGTCAAA AACATTATGATTTTCTCAGAAATTAACCGATGTTCTCAATGGGAAAATATTTGGTGCAGCTCAGCAACAACCTCAAATCAATCAGTATCCAGAGTCAAA aacattatgattttctcagaaatTAACCGATGTTCTCAATGGGAAAATATTTGGTGCAGCTCAGCAACAACCTCAAATCAATCAGTATCCAGAGTCAAA	400 350
STEAP4_Capra_hircus XM_005679300.3 Consensus	CGCAGAGTACCTTGTCTAGTTGGTGCCGGGAACCCATGTGGTAAAAGCATTAAACACCGTCTCAGCCTGGGCTCTCCAGTCCAGGGGACTGGATGCAAGT CGCAGAGTACCTTGTCTAGTTGGTGCCGGGAACCCATGTGGTAAAAGCATTAAACACCGTCTCAGCCTGGGCTCTCCAGTCCAGGGGACTGGATGCAAGT cgcagagtaccttgtctagttggtgcccgggaacccatgtggTAAAAGCATTAAACACCGTCTCAGCCTGGGCTCTCCAGTCCAGGGGACTGGATGCAAGT	500 450
STEAP4_Capra_hircus XM_005679300.3 Consensus	CGGCAGGTGTTTATCTGTGAAAATGACAGCAAAGCCAAGCAAAGAGTATGGATGTCGTTTCGTAGTCTTGGACTTACTCCATTGGATAAAGGATCTCTCG CGGCAGGTGTTTATCTGTGAAAATGACAGCAAAGCCAAGCAAAGAGTATGGATGTCGTTTCGTAGTCTTGGACTTACTCCATTGGATAAAGGATCTCTCG cggcaggtgTTTATCTGTGAAAATGACAGCAAAGCCAAGCAAAGAGTATGGATGTCGTTTCGTAGTCTTGGACTTACTCCATTGGATAAAGGATCTCTCG	600 550
STEAP4_Capra_hircus XM_005679300.3 Consensus	TGGCAGCCAATGAAATGAAAACCTACCCGCTACAACCTATTCCAATGTGGAAGTCCCCCTCTATTGTCGCGCTGTTCTGTGTGTCTTCTCTTTTATA TGGCAGCCAATGAAATGAAAACCTACCCGCTACAACCTATTCCAATGTGGAAGTCCCCCTCTATTGTCGCGCTGTTCTGTGTGTCTTCTCTTTTATA tggcagccaatgaaatgAAAACCTACCCGCTACAACCTATTCCAATGTGGAAGTCCCCCTCTATTGTCGCGCTGTTCTGTGTGTCTTCTCTTTTATA	700 650
STEAP4_Capra_hircus XM_005679300.3 Consensus	CTGTGTAATAAGAGAAGTAATCTACCCCTATGTTTATGAAAAAAGGGACAGGACATCCCGTCTGCCTATTTCTATTCCAAATCGTGTCTTTCCAATAGCA CTGTGTAATAAGAGAAGTAATCTACCCCTATGTTTATGAAAAAAGGGACAGGACATCCCGTCTGCCTATTTCTATTCCAAATCGTGTCTTTCCAATAGCA ctgtgtaataagagaagtaatctacccctatgTTTATGAAAAAAGGGACAGGACATCCCGTCTGCCTATTTCTATTCCAAATCGTGTCTTTCCAATAGCA	800 750
STEAP4_Capra_hircus XM_005679300.3 Consensus	GCACCTCACACTGCTCGCCTTGGTTTACCTCCCTGGTGTATTGCGCGCGTCTGCAGCTGTACCAGGAACAAAATACCGCCGATTCCAGACTGGCTTG GCACCTCACACTGCTCGCCTTGGTTTACCTCCCTGGTGTATTGCGCGCGTCTGCAGCTGTACCAGGAACAAAATACCGCCGATTCCAGACTGGCTTG gcactcacactgctcgcccttggTTTACCTCCCTGGTGTATTGCGCGCGTCTGCAGCTGTACCAGGAACAAAATACCGCCGATTCCAGACTGGCTTG	900 850
STEAP4_Capra_hircus XM_005679300.3 Consensus	ACCACCTGGATGCTTTGCAGAAAACAGCTTGGCTTGATAGCACTGGGATTTGCCTTCTCTCATGTCCTCTACACACTTGTGATCCCTATTCGTTATTATGT ACCACCTGGATGCTTTGCAGAAAACAGCTTGGCTTGATAGCACTGGGATTTGCCTTCTCTCATGTCCTCTACACACTTGTGATCCCTATTCGTTATTATGT accactggatgctTTTGCAGAAAACAGCTTGGCTTGATAGCACTGGGATTTGCCTTCTCTCATGTCCTCTACACACTTGTGATCCCTATTCGTTATTATGT	1000 950
STEAP4_Capra_hircus XM_005679300.3 Consensus	ACGATGGACATGGAACAACAGAACCCGTACCCAGGCAATAACCAAGAAAGAAAATCCATTTAGTACCCTACCTCCTGGCTCAGTGCATATATATCGCT ACGATGGACATGGAACAACAGAACCCGTACCCAGGCAATAACCAAGAAAGAAAATCCATTTAGTACCCTACCTCCTGGCTCAGTGCATATATATCGCT acgatggacatggaacaacagAACCCGTACCCAGGCAATAACCAAGAAAGAAAATCCATTTAGTACCCTACCTCCTGGCTCAGTGCATATATATCGCT	1100 1050
STEAP4_Capra_hircus XM_005679300.3 Consensus	TTGGGAATGCTCGGATTTTCTGTTTGTACTCTTGGGAATCACTTCCCTTGCCATCAGTTAGCAACATGGTCAACTGGAGAGAGTTCGGATTTGTCCAGA TTGGGAATGCTCGGATTTTCTGTTTGTACTCTTGGGAATCACTTCCCTTGCCATCAGTTAGCAACATGGTCAACTGGAGAGAGTTCGGATTTGTCCAGA ttgggaatgctcggatTTTCTGTTTGTACTCTTGGGAATCACTTCCCTTGCCATCAGTTAGCAACATGGTCAACTGGAGAGAGTTCGGATTTGTCCAGA	1200 1150
STEAP4_Capra_hircus XM_005679300.3 Consensus	CTCCATCTTGGCAAAGAGATGAGCTTCCACACATGAAAGGATCCTGAGATATACAAAATATGGCTTCAGACTACACAAAATCAAATGATTGGCCAAAGG CTCCATCTTGGCAAAGAGATGAGCTTCCACACATGAAAGGATCCTGAGATATACAAAATATGGCTTCAGACTACACAAAATCAAATGATTGGCCAAAGG ctccatcttggcaaagagatgagcttccacacatgAAAGGATCCTGAGATATACAAAATATGGCTTCAGACTACACAAAATCAAATGATTGGCCAAAGG	1300 1197
STEAP4_Capra_hircus XM_005679300.3 Consensus	AAACCTGGAAGAAATGACCCATAAAAGTAATTCAAACTGCCATGAGAGGGTGAAGCAATCGTCGACCTCGAGGCATGCAAGCTGG	1388 1197