

Table (S1). Physiochemical properties of MYB98 gene.

| Physiochemical properties | Atomic composition | | Amino acid composition | | | | |
|---|-----------------------------------|--------------|------------------------|------------|-------|------------|-------|
| | Formula: C2065H3217N595O655S19 | | | | | | |
| Molecular weight | 47467.99 | Carbon (C) | 2065 | Ala (A) 29 | 6.6% | Ala (A) 29 | 6.60% |
| Theoretical pI | 5.71 | Hydrogen (H) | 3217 | Arg (R) 18 | 4.1% | Met (M) 14 | 3.20% |
| Total number of atoms | 16783.00 | Nitrogen (N) | 595 | Asn (N) 25 | 5.7% | Phe (F) 8 | 1.80% |
| Total number of negatively charged residues (Asp + Glu) | 44.00 | Oxygen (O) | 655 | Asp (D) 20 | 4.6% | Pro (P) 38 | 8.7% |
| Total number of positively charged residues (Arg + Lys) | 32.00 | Sulfur (S) | 19 | Cys (C) 5 | 1.1% | Ser (S) 41 | 9.40% |
| Total number of atoms | 6551 | | | Gln (Q) 24 | 5.50% | Thr (T) 28 | 6.40% |
| Instability index | 54.42 | | | Glu (E) 24 | 5.50% | Trp (W) 8 | 1.80% |
| Aliphatic index | 68.36 | | | Gly (G) 40 | 9.10% | Tyr (Y) 10 | 2.30% |
| Grand average of hydropathicity (GRAVY) | -0.544 | | | His (H) 16 | 3.70% | Val (V) 26 | 5.90% |
| | | | | Ile (I) 15 | 3.40% | Pyl (O) 0 | 0.00% |
| | | | | Leu (L) 35 | 8.00% | Sec (U) 0 | 0.00% |
| | | | | Lys (K) 14 | 3.20% | Met (M) 14 | 3.20% |