Supplementary Table 2. Characters of the *AhZIP* genes identified in *A. hypochondriacus*.

Gene name	Gene ID	Protein length(aa)	Molecular weight (kDa)	Isoelectric point (pI)	Chromosomal location	No. of TM
AhZIP1	AH002039	281	30.78	7.940	Scaffold_1:33355897..33358232	6
AhZIP2	AH002106	528	56.30	6.456	Scaffold_1:34031649..34036262	10
AhZIP3	AH002107	352	37.33	6.593	Scaffold_1:34045723..34049828	8
AhZIP4	AH002109	275	29.60	8.057	Scaffold_1:34059835..34065071	6
AhZIP5	AH003237	363	38.24	6.208	Scaffold_2:8631031..8636653	8
AhZIP6	AH009765	323	34.94	5.857	Scaffold_6:556853..560023	8
AhZIP7	AH010938	277	29.46	8.830	Scaffold_6:21578673..21585432	8
AhZIP8	AH014074	437	47.90	6.503	Scaffold_9:3904106..3915425	6
AhZIP9	AH015219	370	39.65	7.031	Scaffold_9:21973417..21977556	8
AhZIP10	AH016801	293	31.30	6.912	Scaffold_11:4475857..4480027	6
AhZIP11	AH017155	349	37.22	5.827	Scaffold_11:13098195..13102549	5
AhZIP12	AH017676	349	37.04	6.016	Scaffold_11:18919768..18923918 forward	8
AhZIP13	AH021689	596	62.02	7.895	Scaffold_15:120005..124821	16
AhZIP14	AH022576	292	32.21	7.108	Scaffold_15:12582260..12583567	6