

Supplemental Table 4. Comparison of results from different annotation methods using *F. hispida* genome.

Gene	Gfanno			KAAS			BLASTP only			HMMsearch only		
	Identification Count	False Positive Count	False Negative Count	Identification Count	False Positive Count	False Negative Count	Identification Count	False Positive Count	False Negative Count	Identification Count	False Positive Count	False Negative Count
4CL	13	0	0	12	0	1	13	0	0	22	9	0
CHI	8	0	0	15	7	0	18	10	0	9	1	0
CHS	13	0	0	22	9	0	21	8	0	17	4	0
LAR	6	0	0	0	0	6	17	11	0	8	2	0
PAL	4	0	0	4	0	0	4	0	0	4	0	0
PPO	4	0	0	0	0	4	7	3	0	6	2	0
SCPL4	0	0	0	2	2	0	0	0	0	20	20	0
SCPL5	0	0	0	0	0	0	0	0	0	20	20	0
UGT8 4A	2	0	0	2	2	2	8	6	0	127	154	0
DFR	2	0	0	2	0	0	2	0	0	19	17	0
ANR	1	0	0	2	1	0	1	0	0	18	17	0
F3H	1	0	0	1	0	0	1	0	0	47	46	0
FLS	1	0	0	8	7	0	1	0	0	47	46	0
LDOX	1	0	0	0	0	1	4	3	0	47	46	0
ANS	1	0	0	2	1	0	1	0	0	47	46	0
F3'H	3	0	0	9	6	0	14	11	0	143	140	0
F3'5'H	0	0	0	0	0	0	0	0	0	143	143	0
C4H	2	0		3	1	0	3	1	0	171	169	0
FNSII	6	0	0	0	0	6	16	10	0	143	137	0