

Table S3: 97 unknown transcripts that no hits for BLASTn**a. YSMS-UP**

Locus (Chr: Start-End)	Tags	Length	Source	log2(fold_change)	q_value	significant
NW_019167971.1:13036482-13037972	[NO-BLAST]	1490	YSMS-UP	2.16811	0.00290795	yes
NW_019167993.1:13937794-13940351	[NO-BLAST]	1469	YSMS-UP	2.55332	0.0003126	yes
NW_019167915.1:10358785-10360196	[NO-BLAST]	1411	YSMS-UP	2.09444	0.00106839	yes
NW_019168470.1:14263235-14264484	[NO-BLAST]	1249	YSMS-UP	2.34332	0.00290795	yes
NW_019167993.1:14408983-14410137	[NO-BLAST]	1154	YSMS-UP	1.9158	0.00676626	yes
NW_019168470.1:14254781-14255906	[NO-BLAST]	1125	YSMS-UP	2.15214	0.00129227	yes
NW_019168270.1:27781393-27782296	[NO-BLAST]	903	YSMS-UP	3.16821	0.0003126	yes
NW_019168004.1:5276903-5277774	[NO-BLAST]	871	YSMS-UP	3.47924	0.0003126	yes
NW_019167882.1:2587906-2588613	[NO-BLAST]	707	YSMS-UP	1.72597	0.0111005	yes
NW_019167949.1:6486724-6487426	[NO-BLAST]	702	YSMS-UP	1.64122	0.0070672	yes
NW_019168159.1:9708760-9709453	[NO-BLAST]	693	YSMS-UP	1.65403	0.00692552	yes
NW_019168270.1:21287018-21287676	[NO-BLAST]	658	YSMS-UP	2.13362	0.0003126	yes
NW_019167849.1:6741786-6747797	[NO-BLAST]	461	YSMS-UP	1.50862	0.0120702	yes
NW_019167938.1:4279367-4279807	[NO-BLAST]	440	YSMS-UP	3.1263	0.0003126	yes
NW_019168470.1:2668707-2669135	[NO-BLAST]	428	YSMS-UP	1.84085	0.0109697	yes
NW_019167882.1:4845205-4846190	[NO-BLAST]	397	YSMS-UP	1.84157	0.013157	yes
NW_019168381.1:15442659-15443024	[NO-BLAST]	365	YSMS-UP	4.67706	0.00129227	yes
NW_019168470.1:11337685-11340381	[NO-BLAST]	331	YSMS-UP	2.12523	0.0003126	yes
NW_019168492.1:22832364-22832679	[NO-BLAST]	315	YSMS-UP	2.41348	0.00645778	yes
NW_019167871.1:8697414-8697592	[NO-BLAST]	178	YSMS-UP	1.60759	0.02403	yes
NW_019167993.1:3609475-3609646	[NO-BLAST]	171	YSMS-UP	4.71534	0.00129227	yes

b. YSMS-DOWN

Locus (Chr: Start-End)	Tags	Length	Source	log2(fold_change)	q_value	significant
NW_019167937.1:10860346-10862497	[NO-BLAST]	1737	YSMS-DOWN	-2.12034	0.0003126	yes
NW_019168311.1:8341-9524	[NO-BLAST]	1183	YSMS-DOWN	-1.6453	0.00857	yes
NW_019167860.1:9093575-9094729	[NO-BLAST]	1154	YSMS-DOWN	-6.27408	0.0003126	yes
NW_019167827.1:22907690-22909004	[NO-BLAST]	1153	YSMS-DOWN	-2.62698	0.0450734	yes

NW_019167937.1:10858964-10860016	[NO-BLAST]	1052	YSMS-DOWN	-2.61492	0.0051722	yes
NW_019167993.1:307775-308795	[NO-BLAST]	1020	YSMS-DOWN	-2.6612	0.0037993	yes
NW_019168048.1:5130186-5131161	[NO-BLAST]	975	YSMS-DOWN	-2.67015	0.0418459	yes
NW_019168037.1:6541931-6542879	[NO-BLAST]	948	YSMS-DOWN	-2.42889	0.0012923	yes
NW_019168004.1:11041049-11041987	[NO-BLAST]	938	YSMS-DOWN	-2.04383	0.0064578	yes
NW_019168481.1:16891200-16892131	[NO-BLAST]	931	YSMS-DOWN	-2.39927	0.0176466	yes
NW_019167827.1:21208688-21209613	[NO-BLAST]	925	YSMS-DOWN	-1.77334	0.0290166	yes
NW_019168381.1:11724062-11724969	[NO-BLAST]	907	YSMS-DOWN	-1.94683	0.0249268	yes
NW_019167893.1:7947588-7948462	[NO-BLAST]	874	YSMS-DOWN	-2.76063	0.0102649	yes
NW_019167827.1:6023079-6023921	[NO-BLAST]	842	YSMS-DOWN	-2.15201	0.0205586	yes
NW_019168015.1:11786204-11786925	[NO-BLAST]	721	YSMS-DOWN	-2.26448	0.0025258	yes
NW_019168048.1:28131499-28132186	[NO-BLAST]	687	YSMS-DOWN	-1.88994	0.0318395	yes
NW_019168048.1:8824744-8825804	[NO-BLAST]	682	YSMS-DOWN	-1.94581	0.0370613	yes
NW_019167860.1:7324326-7324985	[NO-BLAST]	659	YSMS-DOWN	-2.35374	0.0208065	yes
NW_019168048.1:28306058-28306708	[NO-BLAST]	650	YSMS-DOWN	-1.80135	0.0032664	yes
NW_019168159.1:25008996-25009644	[NO-BLAST]	648	YSMS-DOWN	-5.12321	0.038914	yes
NW_019168049.1:7797750-7798371	[NO-BLAST]	621	YSMS-DOWN	-2.7168	0.0381232	yes
NW_019167937.1:33219710-33220305	[NO-BLAST]	595	YSMS-DOWN	-3.06073	0.0003126	yes
NW_019168004.1:8439127-8439661	[NO-BLAST]	534	YSMS-DOWN	-2.93074	0.0069255	yes
NW_019167893.1:13843433-13843955	[NO-BLAST]	522	YSMS-DOWN	-1.6863	0.0206894	yes
NW_019167882.1:14219957-14220439	[NO-BLAST]	482	YSMS-DOWN	-1.55249	0.0275601	yes
NW_019168037.1:14156471-14156924	[NO-BLAST]	453	YSMS-DOWN	-2.42501	0.0338929	yes
NW_019167827.1:20414546-20414918	[NO-BLAST]	372	YSMS-DOWN	-1.52061	0.0377991	yes
NW_019167860.1:16130786-16131252	[NO-BLAST]	372	YSMS-DOWN	-3.10649	0.0258353	yes
NW_019167982.1:8957700-8958115	[NO-BLAST]	359	YSMS-DOWN	-2.00926	0.0012923	yes
NW_019168492.1:21653445-21653764	[NO-BLAST]	319	YSMS-DOWN	-5.87473	0.0400881	yes

c. YSRS-UP

Locus (Chr: Start-End)	Tags	Length	Source	log2(fold_change)	q_value	significant
NW_019167860.1:16528529-16529743	[NO-BLAST]	1214	YSRS-UP	2.37724	0.0227012	yes
NW_019167993.1:307775-308795	[NO-BLAST]	1020	YSRS-UP	3.50293	0.000546	yes
NW_019167982.1:11853846-11854846	[NO-BLAST]	1000	YSRS-UP	1.70037	0.00602797	yes
NW_019168332.1:19443-20376	[NO-BLAST]	933	YSRS-UP	2.99234	0.0133354	yes

NW_019168270.1:27781393-27782296	[NO-BLAST]	903	YSRS-UP	2.58448	0.00215172	yes
NW_019168004.1:5276903-5277774	[NO-BLAST]	871	YSRS-UP	2.61032	0.00248291	yes
NW_019167949.1:11282183-11282858	[NO-BLAST]	675	YSRS-UP	4.58293	0.000546	yes
NW_019167860.1:20997073-20997721	[NO-BLAST]	648	YSRS-UP	2.42248	0.00312688	yes
NW_019167949.1:12014913-12015551	[NO-BLAST]	638	YSRS-UP	4.23788	0.00897957	yes
NW_019167860.1:7857587-7858099	[NO-BLAST]	512	YSRS-UP	2.31085	0.000546	yes
NW_019167849.1:16129755-16130164	[NO-BLAST]	409	YSRS-UP	2.9026	0.0297949	yes
NW_019167827.1:20414546-20414918	[NO-BLAST]	372	YSRS-UP	3.65204	0.000546	yes
NW_019168492.1:22832364-22832679	[NO-BLAST]	315	YSRS-UP	2.38558	0.00680256	yes
NW_019167993.1:309589-309815	[NO-BLAST]	226	YSRS-UP	3.43218	0.000546	yes
NW_019167982.1:6122342-6122593	[NO-BLAST]	197	YSRS-UP	2.31488	0.00874455	yes
NW_019167838.1:12674157-12674338	[NO-BLAST]	181	YSRS-UP	4.36605	0.00141333	yes

d. YSRS-DOWN

Locus (Chr: Start-End)	Tags	Length	Source	log2(fold_change)	q_value	significant
NW_019167937.1:10860346-10862497	[NO-BLAST]	1737	YSRS-DOWN	-1.7802	0.000546	yes
NW_019168270.1:16691398-16693069	[NO-BLAST]	1671	YSRS-DOWN	-1.70077	0.00825931	yes
NW_019168270.1:12631546-12632763	[NO-BLAST]	1217	YSRS-DOWN	-2.11187	0.0304164	yes
NW_019168311.1:8341-9524	[NO-BLAST]	1183	YSRS-DOWN	-3.3945	0.00312688	yes
NW_019167871.1:11503572-11504733	[NO-BLAST]	1161	YSRS-DOWN	-1.80091	0.0447424	yes
NW_019167860.1:9093575-9094729	[NO-BLAST]	1154	YSRS-DOWN	-1.62369	0.0137157	yes
NW_019167871.1:5437398-5438369	[NO-BLAST]	971	YSRS-DOWN	-3.34866	0.00463755	yes
NW_019168381.1:11834049-11835201	[NO-BLAST]	903	YSRS-DOWN	-1.53417	0.0259069	yes
NW_019167982.1:15786987-15787984	[NO-BLAST]	888	YSRS-DOWN	-3.13248	0.0318257	yes
NW_019167893.1:15631417-15632381	[NO-BLAST]	806	YSRS-DOWN	-1.99384	0.026399	yes
NW_019168015.1:7971068-7971864	[NO-BLAST]	796	YSRS-DOWN	-3.23667	0.0342664	yes
NW_019167882.1:8520415-8521196	[NO-BLAST]	781	YSRS-DOWN	-2.74831	0.00099827	yes
NW_019168015.1:11786204-11786925	[NO-BLAST]	721	YSRS-DOWN	-4.47327	0.000546	yes
NW_019168048.1:28306058-28306708	[NO-BLAST]	650	YSRS-DOWN	-1.98258	0.0151158	yes
NW_019168159.1:25008996-25009644	[NO-BLAST]	648	YSRS-DOWN	-3.10068	0.00342992	yes
NW_019167949.1:2166664-2167280	[NO-BLAST]	616	YSRS-DOWN	-3.03409	0.00179372	yes
NW_019167937.1:33219710-33220305	[NO-BLAST]	595	YSRS-DOWN	-5.5291	0.0184985	yes
NW_019167893.1:20192345-20192930	[NO-BLAST]	585	YSRS-DOWN	-7.78807	0.00405844	yes

NW_019168004.1:8439127-8439661	[NO-BLAST]	534	YSRS-DOWN	-2.00035	0.0324569	yes
NW_019168004.1:8211376-8211906	[NO-BLAST]	530	YSRS-DOWN	-6.42169	0.000546	yes
NW_019167893.1:20382235-20382739	[NO-BLAST]	504	YSRS-DOWN	-6.811	0.000546	yes
NW_019167893.1:20189801-20190297	[NO-BLAST]	496	YSRS-DOWN	-7.042	0.00680256	yes
NW_019167882.1:14219957-14220439	[NO-BLAST]	482	YSRS-DOWN	-2.44196	0.0176878	yes
NW_019167893.1:20379666-20380117	[NO-BLAST]	451	YSRS-DOWN	-7.58903	0.0179901	yes
NW_019167915.1:3707299-3707707	[NO-BLAST]	408	YSRS-DOWN	-2.82569	0.0127644	yes
NW_019168015.1:15154713-15155105	[NO-BLAST]	392	YSRS-DOWN	-6.00567	0.00703936	yes
NW_019167982.1:8957700-8958115	[NO-BLAST]	332	YSRS-DOWN	-1.57791	0.0499671	yes
NW_019168492.1:21653445-21653764	[NO-BLAST]	319	YSRS-DOWN	-4.98812	0.0408802	yes
NW_019167893.1:20234852-20235141	[NO-BLAST]	289	YSRS-DOWN	-6.24966	0.000546	yes