

SUPPLEMENTAL MATERIAL

Liu et al., <http://www.jem.org/cgi/content/full/jem.20160204/DC1>

Table S1. Small RNA deep sequencing analysis of Tfh cells

miRNA	Naive CD4 T_rep1	Naive CD4 T_rep2	Pre-Tfh_rep1	Pre-Tfh_rep2	Tfh_rep1	Tfh_rep2
mmu-miR-125a-5p	116	113	85	120	69	108
mmu-miR-139-5p	0	0	77	107	47	76
mmu-miR-142-5p	31,296	35,845	9,983	15,626	7,162	6,948
mmu-miR-151-5p	290	359	71	111	77	96
mmu-miR-1839-5p	1,238	1,096	720	664	456	613
mmu-miR-296-5p	35	25	72	79	178	103
mmu-miR-339-5p	84	83	33	40	33	39
mmu-miR-340-5p	439	437	55	61	8	10
mmu-miR-342-5p	1,034	1,163	550	886	872	817
mmu-miR-345-5p	21	19	16	24	15	19
mmu-miR-423-5p	1,607	1,521	1,171	1,544	2,171	1,517
mmu-miR-466c-5p	87	96	26	52	0	32
mmu-miR-532-5p	468	410	297	288	207	298
mmu-miR-574-5p	4	0	0	0	14	0
mmu-miR-671-5p	89	82	77	113	127	102
mmu-let-7a	50,410	44,208	21,317	24,817	26,739	17,919
mmu-let-7b	5,934	4,607	1,628	1,746	2,321	1,211
mmu-let-7c	13,812	11,413	3,696	4,003	4,289	2,628
mmu-let-7d	4,353	4,017	2,302	3,404	3,848	2,307
mmu-let-7e	798	750	436	485	554	497
mmu-let-7f	92,300	85,617	41,590	41,333	26,908	27,200
mmu-let-7g	40,274	37,499	16,265	20,962	7,855	9,102
mmu-let-7i	20,930	18,625	15,004	14,599	10,358	11,378
mmu-miR-101a	1,105	1,238	285	158	17	73
mmu-miR-103	2,680	2,309	2,782	2,680	2,356	3,162
mmu-miR-106a	60	67	45	75	21	33
mmu-miR-106b	643	581	499	553	483	483
mmu-miR-107	413	361	356	334	219	321
mmu-miR-10a	196	780	2,035	1,827	232	496
mmu-miR-10b	5	5	28	15	10	16
mmu-miR-1198	155	143	114	160	188	129
mmu-miR-128	253	241	95	149	109	92
mmu-miR-130b	128	100	167	261	277	235
mmu-miR-132	75	82	116	176	118	133
mmu-miR-140	4,291	3,811	2,601	2,670	2,045	2,380
mmu-miR-141	113	119	21	30	8	12
mmu-miR-146a	639	1,280	15,313	25,300	35,116	24,466
mmu-miR-146b	187	67	105	379	226	112
mmu-miR-148a	997	495	7,647	6,561	10,696	13,349
mmu-miR-148b	3,136	2,242	2,005	2,109	1,969	5,068
mmu-miR-150	8,682	10,027	3,386	5,105	1,592	1,671
mmu-miR-152	1	0	8	3	2	5
mmu-miR-155	875	1,361	3,840	5,724	3,809	3,683
mmu-miR-15a	242	243	184	251	0	158
mmu-miR-15b	732	1,112	504	854	294	353
mmu-miR-16	9,720	12,725	7,795	14,229	7,248	9,799
mmu-miR-17	259	254	157	239	102	133
mmu-miR-181a	92,587	86,300	16,380	19,924	20,923	18,450
mmu-miR-181b	2,532	2,064	1,406	1,508	2,682	2,264
mmu-miR-181c	4,324	3,642	438	727	107	154
mmu-miR-181d	585	433	158	228	75	91
mmu-miR-182	276	257	2,795	3,252	4,901	4,103
mmu-miR-183	14	10	122	172	186	213
mmu-miR-185	63	69	82	102	75	87
mmu-miR-186	656	671	464	806	469	562
mmu-miR-18a	28	28	26	45	29	28
mmu-miR-191	4,401	4,384	6,127	10,724	12,360	10,758
mmu-miR-192	1,167	1,028	480	604	359	389
mmu-miR-196a	0	0	0	1	0	0
mmu-miR-1981	27	22	49	50	91	70
mmu-miR-19a	114	130	52	40	8	22
mmu-miR-19b	1,403	1,483	502	433	88	193
mmu-miR-200a	241	232	30	32	1	8

Table S1. Small RNA deep sequencing analysis of Tfh cells (Continued)

miRNA	Naive CD4 T_rep1	Naive CD4 T_rep2	Pre-Tfh_rep1	Pre-Tfh_rep2	Tfh_rep1	Tfh_rep2
mmu-miR-200c	111	107	49	77	58	43
mmu-miR-203	189	184	104	111	27	39
mmu-miR-20a	344	332	173	247	74	108
mmu-miR-20b	161	162	84	134	40	55
mmu-miR-21	41,176	41,744	17,5510	149,440	80,756	110,570
mmu-miR-210	6	4	24	23	57	59
mmu-miR-211	58	73	32	79	24	30
mmu-miR-212	9	12	20	34	25	21
mmu-miR-22	1,475	1,468	3,368	4,942	4,627	4,532
mmu-miR-221	106	95	502	589	696	729
mmu-miR-222	23	16	161	174	418	354
mmu-miR-23b	120	143	104	181	59	79
mmu-miR-24	1,133	1,228	1,327	2,060	962	1,454
mmu-miR-25	12,973	11,788	6,948	7,384	5,522	6,532
mmu-miR-26a	16,065	17,807	7,954	10,841	5,672	6,684
mmu-miR-26b	21,018	22,431	7,469	8,545	2,367	3,550
mmu-miR-27a	0	164	310	335	160	304
mmu-miR-27b	9,135	9,473	5,576	8,616	3,150	3,680
mmu-miR-28	1,439	1,231	330	414	239	242
mmu-miR-298	26	14	172	225	379	279
mmu-miR-29a	827	1,095	464	563	190	319
mmu-miR-29b	43	67	25	25	4	18
mmu-miR-301a	34	33	114	133	82	122
mmu-miR-301b	2	2	11	13	11	15
mmu-miR-30a	555	486	84	92	70	72
mmu-miR-30b	640	812	306	462	133	228
mmu-miR-30c	966	1,204	826	1,323	734	948
mmu-miR-30d	8,643	8,776	3,991	5,408	3,757	4,065
mmu-miR-30e	0	0	2,924	2,956	1,403	2,011
mmu-miR-31	12	14	136	245	237	194
mmu-miR-320	565	438	353	401	620	421
mmu-miR-326	0	0	0	0	0	0
mmu-miR-34a	9	11	9	10	1	3
mmu-miR-351	13	9	11	25	15	10
mmu-miR-361	457	452	213	313	175	219
mmu-miR-363	67	81	60	113	69	62
mmu-miR-374	47	59	53	74	27	45
mmu-miR-378	10,580	8,777	6,049	6,561	6,884	5,953
mmu-miR-421	0	0	0	0	0	0
mmu-miR-425	394	443	302	558	448	350
mmu-miR-449a	11	11	13	16	9	11
mmu-miR-466j	0	0	0	105	89	0
mmu-miR-467b	153	0	0	0	0	0
mmu-miR-467d	146	175	34	55	32	26
mmu-miR-467e	220	237	39	72	32	31
mmu-miR-486	88	76	145	289	189	167
mmu-miR-541	1	2	68	69	0	0
mmu-miR-669c	2,124	1,556	512	545	852	472
mmu-miR-669f	288	278	72	111	93	64
mmu-miR-669o	0	0	0	0	0	0
mmu-miR-720	624	641	456	545	812	498
mmu-miR-7a	5,137	4,374	3,144	3,091	1,826	2,185
mmu-miR-92a	51,613	43,488	15,742	20,704	15,406	10,948
mmu-miR-92b	218	231	424	549	351	340
mmu-miR-93	3,199	3,024	1,868	2,312	1,409	1,619
mmu-miR-96	2	2	7	11	7	9
mmu-miR-98	2,197	1,980	1,812	1,881	1,453	1,461
mmu-miR-99b	102	66	69	71	0	0

Numbers are normalized sequencing reads in units of tags per million. Bold rows indicate miRNA signature of Tfh cells.