

Table S3 Sequencing Statistics for N2 single L1 RNA-seq data. rRNA reads were removed

Sample	Total Reads	rRNA	Total aligned	Duplicated	Multimapped	Unique Reads	Aligned
N2-117	3567898	1486291	2081607	554994	0	921302	
N2-121	3024701	1662191	1362510	417012	0	557310	
N2-122	1962656	959277	1003379	276168	0	470899	
N2-126	4312118	2365343	1946775	553342	0	574650	
N2-128	6168041	3027432	3140609	1070302	0	538565	
N2-131	8533039	5457877	3075162	1169810	0	861443	
N2-132	6012054	3450962	2561092	967362	0	641037	
N2-133	5698198	3486077	2212121	827923	0	687466	
N2-134	5295793	2111143	3184650	1495657	0	638327	
N2-135	5643176	3136307	2506869	791298	0	658491	
N2-136	4104392	2325193	1779199	529635	0	582376	
N2-137	1976096	1278438	697658	136993	0	349083	
N2-138	1438225	214947	1223278	212714	0	648518	
N2-511	4357180	2759414	1597766	290405	0	507735	
N2-512	8449844	5958343	2491501	607599	0	500828	
N2-513	7430807	4140097	3290710	1216035	0	1019389	
N2-514	7738698	4097867	3640831	1555780	0	707631	
N2-515	8183673	3206526	4977147	2254388	0	1197512	
N2-516	6065854	4190817	1875037	621260	0	355414	
N2-517	6890007	4197018	2692989	973568	0	553232	
N2-518	7257528	4852252	2405276	688302	0	509613	
N2-521	7189310	3987081	3202229	1158481	0	768139	
N2-522	6559498	3188385	3371113	1828093	0	408106	
N2-524	5741303	1732549	4008754	1723647	0	1195835	
N2-525	4466711	2835813	1630898	288651	0	448895	
N2-526	5551208	2819080	2732128	908274	0	651455	
N2-527	3297623	2179384	1118239	309752	0	365551	
N2-528	8051645	4228121	3823524	842402	0	647418	
N2-531	6584254	3191729	3392525	1080406	0	1053959	
N2-533	5753754	3788891	1964863	581781	0	442231	
N2-534	6725434	2737804	3987630	1860892	0	842182	
N2-535	7081453	3471887	3609566	1190326	0	1166741	
N2-536	5731181	1475631	4255550	2584035	0	606414	
N2-537	990770	517098	473672	104934	0	227752	
N2-538	2717161	1621615	1095546	295791	0	503410	
N2-2011	7003592	3955538	3048054	661376	0	898712	
N2-2012	7229933	3449625	3780308	1399175	0	984497	
N2-2017	9174754	3580740	5594014	2519978	0	1367766	
N2-2018	4169758	2659165	1510593	502917	0	484165	
N2-2021	7713405	4619729	3093676	941958	0	855632	
N2-2022	5844054	4001511	1842543	508192	0	468559	
N2-2023	3744721	1686526	2058195	822049	0	688201	
N2-2025	4581429	2046862	2534567	569654	0	603282	
N2-2026	5878890	3691242	2187648	575443	0	674496	

N2-2027	4939592	3234973	1704619	517653	0	555606
N2-2028	7613984	4221604	3392380	1201985	0	957523
N2-2031	6840298	3624914	3215384	1105966	0	768207
N2-2032	6382521	3125170	3257351	1307531	0	831871
N2-2035	8022012	3791138	4230874	1598588	0	1162908
N2-2037	4634858	1827866	2806992	961673	0	1042916
N2-2038	2726158	1481172	1244986	213033	0	749676
N2-10011	3809812	2483314	1326498	215688	0	540929
N2-10012	6301707	3768414	2533293	626706	0	694761
N2-10013	3303427	1997093	1306334	339558	0	394180
N2-10014	7340018	2474590	4865428	2101947	0	784096
N2-10015	6186609	3018306	3168303	1100493	0	743526
N2-10016	6290122	1004941	5285181	1805715	0	2136846
N2-10017	4783211	3288084	1495127	333044	0	317510
N2-10018	6870292	2451391	4418901	1938749	0	1054450
N2-10021	6220655	2344638	3876017	1527035	0	1152714
N2-10022	5779067	1661328	4117739	2054204	0	1050705
N2-10023	5714075	2228710	3485365	1401543	0	1000948
N2-10024	2805451	1711048	1094403	189179	0	623134
N2-10025	1830955	1048540	782415	133829	0	350009
N2-10026	2079241	1211855	867386	225560	0	347124
N2-10027	4548399	1847561	2700838	868012	0	956205
N2-10028	6625459	1925874	4699585	2706220	0	542475
N2-10031	6410608	4299978	2110630	520615	0	410068
N2-10033	5421308	2335395	3085913	1120093	0	1005438
N2-10034	6786366	3393859	3392507	1142645	0	1153786
N2-10035	5002423	2346571	2655852	1256553	0	450259
N2-10036	5910037	3148056	2761981	1062426	0	660699
N2-10037	2013997	1086255	927742	178893	0	475244
N2-10038	2647323	1219982	1427341	292281	0	812038

oved prior to to rsem alignment and normalization (tpm). Duplicated reads (pcr artifacts

d rsem

) were also removed in our rsem pipeline.

Table S3

Sequencing Statistics for *fog-2* single L1 RNA-seq data. rRNA re

Sample	Total Reads	rRNA	Total aligned	Duplicated	Unique Reads	Aligned
fog2_112	5557157	3712026	1845131	451561	792100	
fog2_115	9516311	4879877	4636434	1355611	2139502	
fog2_118	3703896	2515278	1188618	246638	548722	
fog2_121	4928011	2965949	1962062	341381	1081934	
fog2_122	3320839	1474776	1846063	237914	1145870	
fog2_125	4360905	2464987	1895918	351680	1053426	
fog2_126	3279602	1166394	2113208	547927	828970	
fog2_128	5617944	1735724	3882220	1545230	1262476	
fog2_131	8403586	2727082	5676504	2088175	2264623	
fog2_133	5787167	1856349	3930818	1380619	1559967	
fog2_134	3422528	1236785	2185743	509198	1104706	
fog2_135	3213546	1318629	1894917	414198	943176	
fog2_136	3979702	2115002	1864700	332048	996751	
fog2_137	3022853	1579307	1443546	219876	801922	
fog2_511	7859724	2561458	5298266	1624709	2438451	
fog2_512	7258783	2963325	4295458	1810597	1434109	
fog2_513	18487607	8323645	10163962	4708718	3128359	
fog2_514	7233943	2681693	4552250	2137423	1109933	
fog2_515	7221252	2781762	4439490	1150339	943217	
fog2_516	2363062	631129	1731933	379787	931326	
fog2_517	3849448	2246903	1602545	464443	599419	
fog2_518	2105340	773636	1331704	278870	687705	
fog2_521	2710197	1089370	1620827	315831	826982	
fog2_522	2922021	1388423	1533598	275328	806601	
fog2_523	2142760	1186766	955994	133811	520909	
fog2_525	6054661	2068864	3985797	1230233	1719801	
fog2_526	9253146	3889709	5363437	2337846	1523124	
fog2_527	11070570	2845962	8224608	3298242	3090040	
fog2_528	7942411	3051354	4891057	2039097	1532691	
fog2_531	6769868	1683968	5085900	1079586	1080678	
fog2_532	4616345	1449096	3167249	951701	1459651	
fog2_533	3678738	1332051	2346687	637369	1065578	
fog2_535	11599883	2357347	9242536	2834302	4576272	
fog2_536	2914329	1107116	1807213	424251	879791	
fog2_537	1016415	491121	525294	46783	314228	
fog2_538	2717445	1312333	1405112	156712	862867	
fog2_2011	13478472	2476077	11002395	4876731	3678608	
fog2_2012	8866477	1761383	7105094	3405364	1714631	
fog2_2013	18799847	8634418	10165429	3804990	3650530	
fog2_2015	13271502	1912949	11358553	6577622	1668836	
fog2_2016	5780227	1952490	3827737	1947443	866108	
fog2_2017	6539184	3280728	3258456	1252128	982787	
fog2_2021	11491393	2240225	9251168	4492118	2066088	
fog2_2022	7346316	2381122	4965194	2031278	898987	

fog2_2023	3392881	1649018	1743863	356059	870553
fog2_2024	6936743	2806677	4130066	622099	2511845
fog2_2025	6539295	3209124	3330171	898167	1364529
fog2_2026	3047678	845250	2202428	696824	771965
fog2_2027	12657826	5619885	7037941	2654642	2527216
fog2_2028	12199119	4158840	8040279	3525270	2582696
fog2_2031	1882610	623307	1259303	403931	483101
fog2_2033	4462288	1955693	2506595	973599	858240
fog2_2035	4825749	1423626	3402123	1084175	1470180
fog2_2036	2483862	1253344	1230518	153684	706345
fog2_2037	2775735	1632647	1143088	167922	592546
fog2_2038	3250381	1640758	1609623	200797	959833
fog2_10011	3004027	1182221	1821806	205749	1014428
fog2_10012	1989985	536249	1453736	401263	531894
fog2_10013	10304868	3088775	7216093	2042666	3097470
fog2_10014	4372438	1186941	3185497	814485	1556871
fog2_10015	2733647	1274069	1459578	260041	483200
fog2_10016	5924036	2192240	3731796	942190	1835408
fog2_10017	3942335	2012704	1929631	310492	913535
fog2_10018	4882138	2630558	2251580	522172	1094867
fog2_10021	2235696	935748	1299948	216955	693159
fog2_10022	2325167	1197300	1127867	126364	527867
fog2_10023	2806546	1736355	1070191	156805	522335
fog2_10024	3594150	1712738	1881412	190874	775508
fog2_10025	4709311	1353913	3355398	439253	1736175
fog2_10026	938416	399543	538873	57808	234733
fog2_10027	6322428	1767605	4554823	1212197	1916789
fog2_10028	4932952	1709428	3223524	507073	1146043
fog2_10031	1359360	535865	823495	97756	431643
fog2_10032	2930242	700973	2229269	691080	809583
fog2_10033	6931992	1971032	4960960	1471928	2049248
fog2_10034	2575166	886568	1688598	346911	860720
fog2_10035	1657602	647868	1009734	112235	514336
fog2_10036	2549685	1372606	1177079	150751	614421
fog2_10037	2497952	969652	1528300	152619	942696
fog2_10038	4232763	1651878	2580885	273623	1412947

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