

Supplementary Table S5

CNS DLBCL-specific CSF microRNAs and biological processes; bold indicates processes linked to metabolism.

GO Biological process (miRPathDB)				
No	subcategory	q-value*	number of miRs observed	hsa-miRs
1	positive regulation of cellular metabolic process	1.05817E-09	18	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 106b-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
2	organelle organization	1.95906E-09	15	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 15b-5p; 92a-3p; 106b-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
3	positive regulation of cellular biosynthetic process	1.95906E-09	17	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
4	regulation of organelle organization	5.45239E-09	14	19a-3p; 16-5p; 148a-3p; 15a-5p; 221-3p; 21-5p; 9-3p; 15b-5p; 210-3p; 92a-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
5	protein metabolic process	6.92324E-09	15	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 15b-5p; 17-3p; 92a-3p; 106b-3p; 25-3p; 20a-5p; 26a-5p
6	nitrogen compound metabolic process	1.0157E-08	17	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 15b-5p; 17-3p; 210-3p; 92a-3p; 106b-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
7	cellular protein modification process	1.36762E-08	15	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 9-5p; 20a-5p; 26a-5p
8	protein modification process	1.36762E-08	15	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 9-5p; 20a-5p; 26a-5p
9	catabolic process	2.50187E-08	12	19a-3p; 16-5p; 148a-3p; 15a-5p; 221-3p; 423-5p; 21-5p; 15b-5p; 17-3p; 92a-3p; 20a-5p; 26a-5p
10	cytoskeleton-dependent intracellular transport	2.50187E-08	7	16-5p; 15a-5p; 19b-3p; 15b-5p; 92a-3p; 9-5p; 26a-5p
11	macromolecule metabolic process	2.50187E-08	17	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 15b-5p; 17-3p; 210-3p; 92a-3p; 106b-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
12	positive regulation of macromolecule biosynthetic process	2.50187E-08	16	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 92a-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
13	positive regulation of metabolic process	2.50187E-08	17	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 106b-3p; 9-5p; 20a-5p; 26a-5p
14	regulation of cell death	2.50187E-08	14	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 210-3p; 92a-3p; 9-5p; 26a-5p
15	nuclear-transcribed mRNA catabolic process	4.50392E-08	10	16-5p; 148a-3p; 221-3p; 423-5p; 15b-5p; 17-3p; 92a-3p; 106b-3p; 25-3p; 26a-5p
16	regulation of programmed cell death	6.16964E-08	14	19a-3p; 16-5p; 148a-3p; 15a-5p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 210-3p; 92a-3p; 9-5p; 20a-5p; 26a-5p

17	cell death	7.2243E-08	14	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 9-3p; 15b-5p; 210-3p; 92a-3p; 9-5p; 20a-5p; 26a-5p
18	miRNA loading onto RISC involved in gene silencing by miRNA	8.69552E-08	9	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 15b-5p; 20a-5p
19	immune system process	8.7533E-08	12	19a-3p; 16-5p; 148a-3p; 15a-5p; 221-3p; 21-5p; 9-3p; 15b-5p; 92a-3p; 25-3p; 9-5p; 20a-5p
20	apoptotic process	9.33689E-08	14	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 9-3p; 15b-5p; 210-3p; 92a-3p; 9-5p; 20a-5p; 26a-5p
21	regulation of protein metabolic process	9.33689E-08	15	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 92a-3p; 25-3p; 9-5p; 26a-5p
22	cellular metabolic process	9.3441E-08	16	19a-3p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 106b-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
23	cellular protein metabolic process	9.3441E-08	14	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 15b-5p; 17-3p; 92a-3p; 25-3p; 20a-5p; 26a-5p
24	membrane organization	9.3441E-08	10	19a-3p; 16-5p; 148a-3p; 15a-5p; 221-3p; 423-5p; 15b-5p; 92a-3p; 9-5p; 20a-5p
25	negative regulation of transcription DNA-templated	9.3441E-08	16	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 210-3p; 92a-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
26	positive regulation of gene expression	9.3441E-08	16	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 92a-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
27	programmed cell death	9.3441E-08	14	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 9-3p; 15b-5p; 210-3p; 92a-3p; 9-5p; 20a-5p; 26a-5p
28	regulation of metabolic process	9.3441E-08	18	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 106b-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
29	posttranscriptional regulation of gene expression	9.59062E-08	13	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 15b-5p; 17-3p; 92a-3p; 25-3p; 20a-5p; 26a-5p
30	regulation of gene expression	9.59062E-08	18	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 423-5p; 21-5p; 9-3p; 15b-5p; 17-3p; 210-3p; 92a-3p; 106b-3p; 25-3p; 9-5p; 20a-5p; 26a-5p
31	regulation of gene expression epigenetic	9.59062E-08	12	19a-3p; 16-5p; 148a-3p; 15a-5p; 19b-3p; 221-3p; 21-5p; 15b-5p; 92a-3p; 9-5p; 20a-5p; 26a-5p

*p-value after the Benjamini-Hochberg adjustment