

Supplementary Figure 3

A

Parameters for Multiple Samples

Please enter your email (Optional)

Multiple samples upload

Sample1

Sample2

Species selection
 Homo sapiens

Parameters for genome mapping tool Bowtie
 N: Maximum mismatch 0-3
 L: Length of fully matched 6-30

Parameters for references matching tools
 Bowtie
 N: Maximum mismatch 0-3
 L: Length of fully matched 6-30
 BlastN
 e: Blast e-value

Apply samples difference test Apply groups difference test

Samples difference test
 Sample1 vs Sample2
 Parameters for samples difference test
 miRNA: P value (<): Fold change (>):
 piRNA: P value (<): Fold change (>):
 Rfam: P value (<): Fold change (>):
 circRNA: P value (<): Fold change (>):
 lncRNA: P value (<): Fold change (>):

Groups difference test
 Group 1: Sample1 Sample2
 Group 2: Sample1 Sample2
 Parameters for groups difference test
 miRNA: P value (<): Fold change (>):
 piRNA: P value (<): Fold change (>):
 Rfam: P value (<): Fold change (>):
 circRNA: P value (<): Fold change (>):
 lncRNA: P value (<): Fold change (>):

Parameters for miRNA target prediction
 miRanda
 Energy (<): Minimal free energy (MFE)
 Score (>):

Parameters for GO and Pathway
 P value (<): The threshold for hypergeometric test
 Enrichment fold (>):

Parameter for protein-protein interaction
 String score (>):

B

Samples difference test results

Differently expressed miRNA

There are **470** differently expressed miRNAs in Sample1 vs Sample2 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **470** differently expressed miRNAs in Sample1 vs Sample2 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

There are **464** differently expressed miRNAs in Sample3 vs Sample4 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **464** differently expressed miRNAs in Sample3 vs Sample4 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

Differently expressed piRNA

There are **229** differently expressed piRNAs in Sample1 vs Sample2 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **229** differently expressed piRNAs in Sample1 vs Sample2 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

There are **244** differently expressed piRNAs in Sample3 vs Sample4 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **244** differently expressed piRNAs in Sample3 vs Sample4 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

Differently expressed rRNA

There are **150** differently expressed rRNAs in Sample1 vs Sample2 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **150** differently expressed rRNAs in Sample1 vs Sample2 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

There are **139** differently expressed rRNAs in Sample3 vs Sample4 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **139** differently expressed rRNAs in Sample3 vs Sample4 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

Differently expressed snRNA

There are **2** differently expressed snRNAs in Sample1 vs Sample2 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **2** differently expressed snRNAs in Sample1 vs Sample2 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

There are **5** differently expressed snRNAs in Sample3 vs Sample4 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **5** differently expressed snRNAs in Sample3 vs Sample4 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

Differently expressed snoRNA

There are **175** differently expressed snoRNAs in Sample1 vs Sample2 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **175** differently expressed snoRNAs in Sample1 vs Sample2 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

There are **171** differently expressed snoRNAs in Sample3 vs Sample4 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **171** differently expressed snoRNAs in Sample3 vs Sample4 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

Differently expressed circRNA

There are **1100** differently expressed circRNAs in Sample1 vs Sample2 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **1100** differently expressed circRNAs in Sample1 vs Sample2 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

There are **1037** differently expressed circRNAs in Sample3 vs Sample4 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **1037** differently expressed circRNAs in Sample3 vs Sample4 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

Differently expressed lncRNA

There are **2** differently expressed lncRNAs in Sample1 vs Sample2 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **2** differently expressed lncRNAs in Sample1 vs Sample2 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

There are **4** differently expressed lncRNAs in Sample3 vs Sample4 (Based on most abundant tags). Click [HERE](#) to view detail. [Figure](#)
 There are **4** differently expressed lncRNAs in Sample3 vs Sample4 (Based on total reads count). Click [HERE](#) to view detail. [Figure](#)

D

Differentially expressed miRNAs (Based on most abundant unique tags)

Show 10 entries

miRNA name	Count		Total		RPM		Fold change	P value	Trend	Sig
	Sample1	Sample2	Sample1	Sample2	Sample1	Sample2				
hsa-miR-151b	140	3	493523	514042	283.674722353365	5.8360989958019	48.6069072093229	3.27456738765317e-31	-	*
hsa-miR-378c	19	0	493523	514042	38.4987123193853	0	Inf	2.45206932023677e-05	-	*
hsa-let-7a-3p	8	6	493523	514042	16.209984134478	11.6721979916038	1.3887687740923	0.731197144821912	-	
hsa-let-7a-5p	8868	9391	493523	514042	17968.7674130689	18268.9352231919	1.01670497498369	0.26200053032374	+	
hsa-let-7b-3p	5	3	493523	514042	10.1312400840488	5.8360989958019	1.73596097176153	0.680895786635199	-	
hsa-let-7b-5p	1900	2269	493523	514042	3849.87123193853	4414.03620715817	1.14654125845543	1.1101411044135e-05	+	
hsa-let-7c-3p	2	3	493523	514042	4.05249603361951	5.8360989958019	1.44012454235257	0.999999999999177	+	
hsa-let-7c-5p	1861	2015	493523	514042	3770.84755928295	3919.91315884694	1.03953105958819	0.23318072248522	+	
hsa-let-7d-3p	17	14	493523	514042	34.4462162857658	27.251286470755	1.26477156514054	0.636425021873313	-	
hsa-let-7d-5p	678	688	493523	514042	1373.79615539701	1338.41203637057	1.02643738853574	0.648780962731757	-	

Showing 1 to 10 of 470 entries

E



F

Differentially expressed miRNAs for groups test difference (Based on most abundant unique tags)

Show 10 entries

	RPM					P value	Group1 mean	Group2 mean	Fold change	Tendency	Sig
	Sample6	Sample7	Sample8	Sample9	Sample10						
47	0	0	0	3.57498440413054	0	0.329116378879816	3.61233022415684	0.714996880826108	5.05223214398243	-	
65	0	0	0	0	0	0.0815188864122096	4.977737015966	1.27244540679019	3.911194284252492	-	
24	18.9931461875329	13.5335211786073	15.0374432336518	14.2999376165221	14.8451964125522	0.0793650793650795	20.0899542553955	15.3418489257733	1.30948716498217	-	
47	21.7064527857519	5.41340847144292	5.01248107788393	8.93746101032634	0	0.873015873015873	8.72420730648795	8.21396066908102	1.0621194400562	-	
3	13.5665329910949	5.41340847144292	0	7.14996880826107	8.48296937860129	0.873015873015873	10.8335061609563	6.92257592988004	1.56495302770107	-	
12	0	0	0	12.5124454144569	16.965938752026	0.329116378879816	14.8172911443795	5.8956768343319	2.51324683505293	-	
61	13.50521226197	2419.79358673498	2496.2155767862	2413.11447278811	2525.80413247853	0.0793650793650795	6855.45503424675	3353.68659620996	2.04415494339697	-	
17	854.69157843898	181.349183793338	175.436837225938	325.32380775879	619.256764637894	0.357142857142857	692.85339872368	431.211589074406	1.60676431577263	-	
47	0	0	0	0	0	0.0815188864122096	5.48797818405066	0	Inf	up	*
12	10.8532263928759	0	7.5187216168259	5.36247660619581	4.24148468930064	0.357142857142857	10.7971477847103	5.59518186103965	1.9297224027503	-	

Showing 1 to 10 of 1,182 entries

G

