

Table 2 Top 10 upregulated and downregulated tsRNAs in patients with MDD

tsRNA-ID	Sequence	Type	Length, bp	Regulation	Fold change
tRF-1:31-Gly-CCC-2	GCGCCGCTGGTGTAGTGGTATCATGCAAGAT	tRF-5c	31	up	139.378
tRF-1:22-chrM.Ser-GCT	GAGAAAGCTCACAAGAACTGCT	tRF-5b	22	up	110.072
tRF-1:32-Pro-TGG-2	GGCTCGTTGGTCTAGGGGTATGATTCTCGGT	tRF-5c	31	up	88.264
tRF-1:32-chrM.Gln-TTG	TAGGATGGGGTGTGATAGGTGGCACGGAGAAT	tRF-5c	32	up	88.230
tiRNA-1:33-Gly-GCC-1	GCATGGGTGGTTCAGTGGTAGAATTCTCGCCTG	tiRNA-5	33	up	87.158
tRF-1:28-Lys-TTT-3-M2	GCCCGGATAGCTCAGTCGGTAGAGCATC	tRF-5c	28	up	86.145
tRF-1:30-Pro-TGG-2	GGCTCGTTGGTCTAGGGGTATGATTCTCGG	tRF-5c	30	up	81.628
tRF-1:31-Ala-AGC-4-M6	GGGGATGTAGCTCAGTGGTAGAGCGCATGCT	tRF-5c	31	up	78.921
tiRNA-1:20-chrM.Ser-GCT	GAGAAAGCTCACAAGAACTG	tiRNA-5	20	up	73.973
tRF-69:86-Leu-TAA-1	ACCCCACTCCTGGTACCA	tRF-3a	18	up	73.681
tRF-1:24-Gly-GCC-1	GCATGGGTGGTTCAGTGGTAGAAT	tRF-5b	24	up	50.501
tRF-+1:T19-Ala-CGC-2	AGGCGATCACGTAGATTTT	tRF-1	19	down	0.007
tRF-1:23-His-GTG-1	GCCGTGATCGTATAGTGGTTAGT	tRF-5b	23	down	0.010
tRF-=1:T15-Gly-TCC-1	TGCGGTACCACTTTT	tRF-1	15	down	0.012
tRF-+1:T17-Ser-GCT-4-2	ATGTGGTGGCTTACTTT	tRF-1	17	down	0.012

bp = base pair, MDD = major depressive disorder, tiRNA = tRNA halve, tRF = tRNA-related fragment, tsRNAs = transfer RNA-derived small RNAs.