Supplementary Figures:

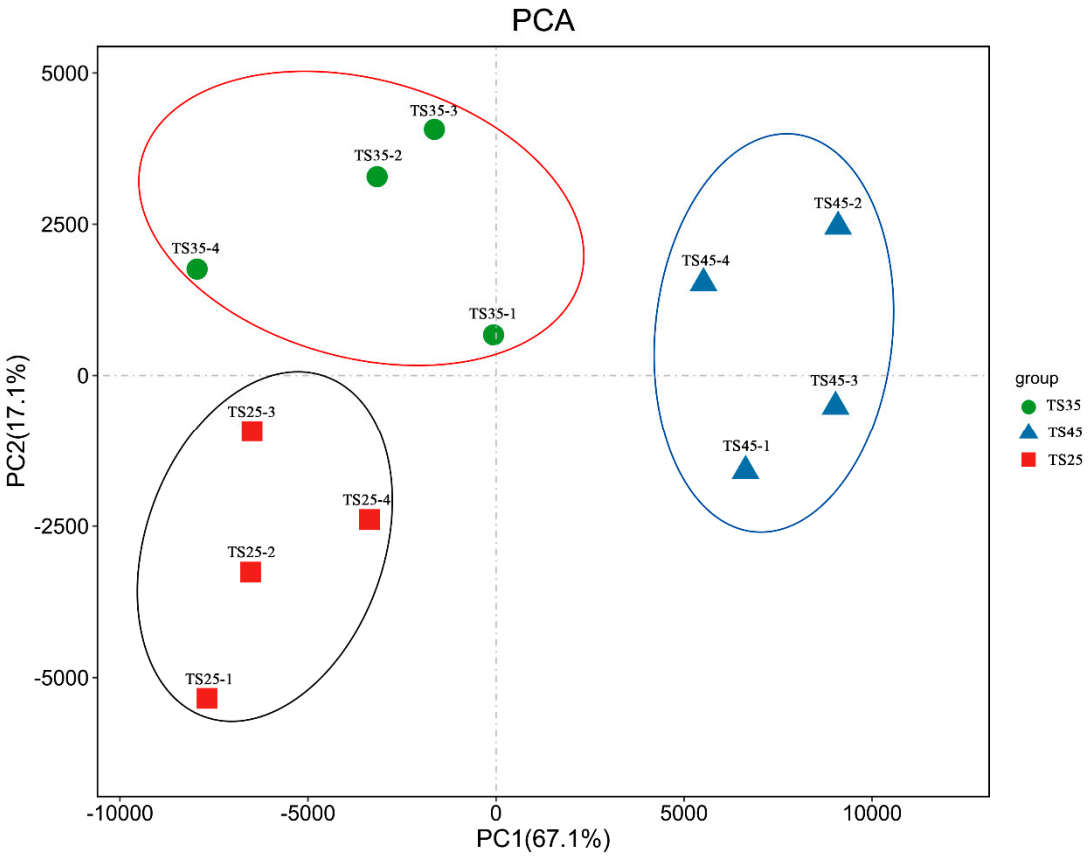

Figure S1. Principal component analysis results among samples. (**TS25**) 2,500 m altitude Tibetan sheep. (**TS35**) 3,500 m altitude Tibetan sheep. (**TS45**) 4,500 m altitude Tibetan sheep.

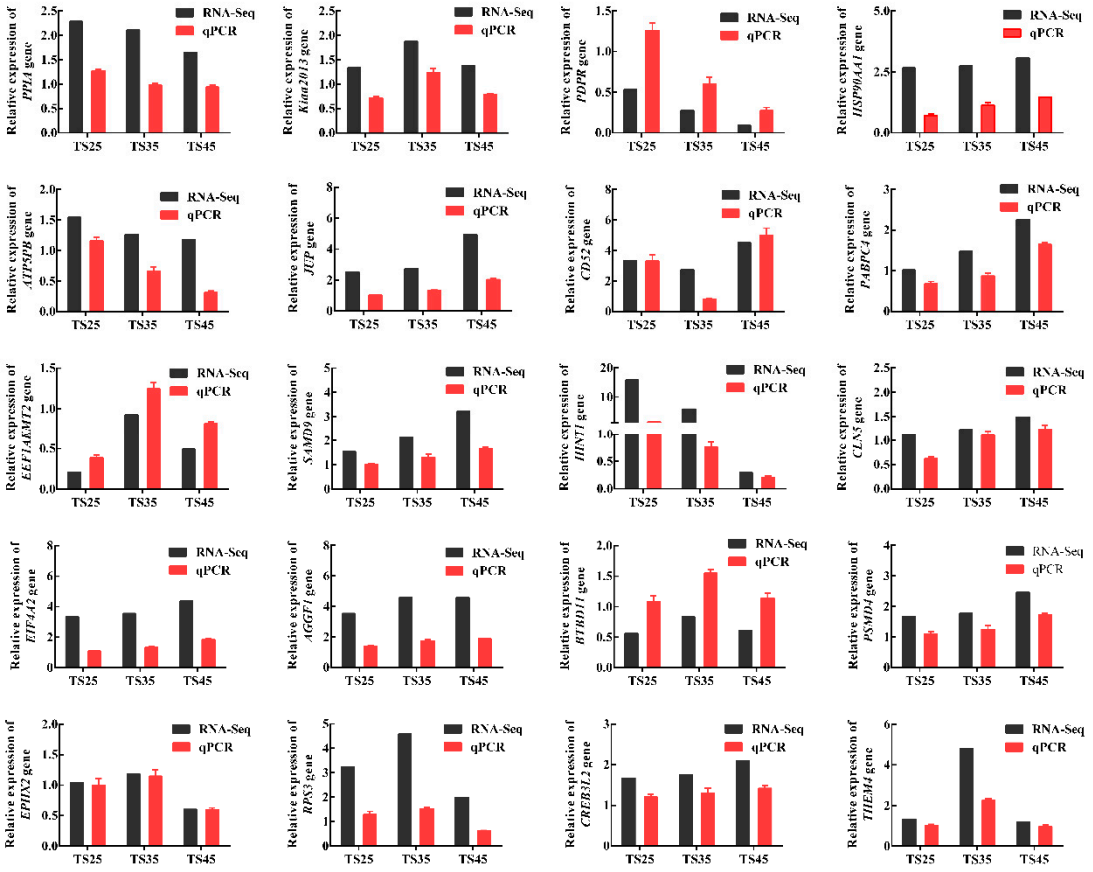

Figure S2. Verification results of twenty DEmRNAs by qPCR. QPCR date shown on graph are means ± SEM. (**TS25**) 2,500 m altitude Tibetan sheep. (**TS35**) 3,500 m altitude Tibetan sheep. (**TS45**) 4,500 m altitude Tibetan sheep.

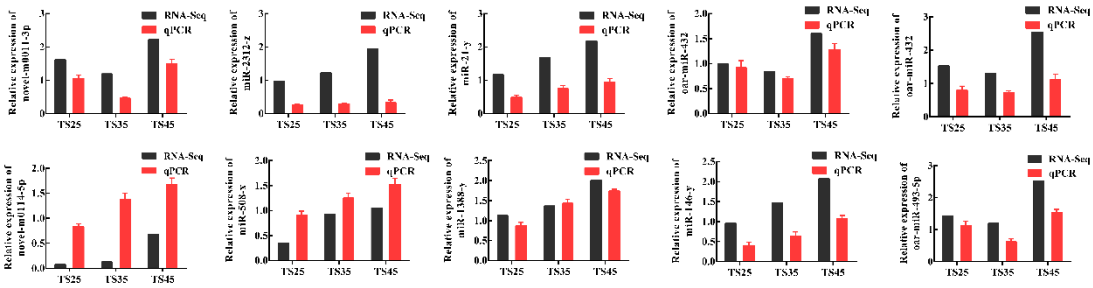

Figure S3. Verification results of ten DEmiRNAs by qPCR. QPCR date shown on graph are means ± SEM. (**TS25**) 2,500 m altitude Tibetan sheep. (**TS35**) 3,500 m altitude Tibetan sheep. (**TS45**) 4,500 m altitude Tibetan sheep.