

Supplemental Table 1 12 undetectable miRNAs in HCC tumors of AKT/Ras mice

miRNA ID	Normalized Signal					
	Normal mice			HCC tumors of AKT/Ras mice		
mmu-miR-137	39.28	32.83	32.17	U	U	U
mmu-miR-1892	37.57	83.04	37.53	U	U	U
mmu-miR-1901	37.57	28.97	29.49	U	U	U
mmu-miR-669i	37.57	32.83	32.17	U	U	U
mmu-miR-291a-3p	35.86	48.28	32.17	U	U	U
mmu-miR-207	34.15	40.55	34.85	U	U	U
mmu-miR-346	32.44	32.83	29.49	U	U	U
mmu-miR-206	29.03	28.97	29.49	U	U	U
mmu-miR-186	23.91	46.35	29.49	U	U	U
mmu-miR-466d-5p	22.2	34.76	48.25	U	U	U
mmu-miR-547	22.2	32.83	34.85	U	U	U
mmu-miR-688	22.2	44.42	37.53	U	U	U

miRNA profiling of livers in normal mice (n=3) and HCC tumors of AKT/Ras mice (n=3) were performed using nCounter miRGE™ Assay (Nanostring Technologies, Seattle, WA) as described in Supplemental Methods. U represents undetectable.