

Supplemental Figure 1 Tissue expression pattern of chicken ncRNAs

- **Total 125 chicken ncRNAs identified in this study**

Besides 20 ncRNAs shown in the right table, which occurred multiple reads in our ncRNA library sequencing, the rest 105 ncRNAs were further confirmed by Northern blot.

- **The expression pattern of 105 ncRNAs**

- √ 35 novel ncRNA candidates shown in Figure 2
- √ 5 ncRNAs shown in Figure 6
- √ 65 ncRNAs presented in here

- **Figure legend**

The expression pattern of each chicken ncRNA was analyzed by Northern blot with total RNA from chicken heart, liver, lung, spleen, kidney, intestine, skeletal muscles and brain. Total RNA from human and mouse skeletal muscle were loaded in each blot in order to check the expression of each ncRNA across different species. All ncRNAs were labeled as GgnX_identity_size on the left of each Northern blot. For examples: Ggn36_SNORD94_142 nt means Ggn36 with length 142 nt is a C/D box snoRNA SNORD94; Ggn88_SNORA55_130 nt means Ggn88 with length 130 nt is a H/ACA box snoRNA SNORA55.

Ggn102	SNORD51_71 nt
Ggn12	SNORD58_67 nt
Ggn30	SNORD58_67 nt
Ggn40	SNORD36a_72 nt
Ggn69	SNORD16_104 nt
Ggn75	SNORD36b_76 nt
Ggn81	SNORD49_75 nt
Ggn115	SNORA65_136 nt
Ggn49	SNORA72_134 nt
Ggn14	SNORD16_54 nt
Ggn113	U2_188 nt
Ggn121	U4_144 nt
Ggn122	SNORD15_143 nt
Ggn129	U5_115 nt
Ggn130	U4_144 nt
Ggn57	U12_149 nt
Ggn59	U6_87 nt
Ggn6	SNORD18_66 nt
Ggn63	U1_164 nt
Ggn78	SNORD15_149 nt

