

## Supplemental Material

Table S1. Divergences of 57 newly identified CR1 elements in chicken genome.

Subfamily	Average Divergence(%)	Standard Deviation	Type
CR1-B	3.08	2.20	Y
CR1-B2	6.81	2.90	Y
CR1-B2_2	7.56	1.94	Y
CR1-C	5.83	2.20	Y
CR1-C_2	6.46	1.64	Y
CR1-C_3	6.00	2.43	Y
CR1-C2	7.86	2.05	Y
CR1-H	3.06	1.61	Y
CR1-H_2	2.75	2.73	Y
CR1-H_3	3.16	2.41	Y
CR1-X	5.58	3.31	Y
CR1-X1	5.66	2.01	Y
CR1-X1_2	6.00	2.63	Y
CR1-X2	5.60	2.77	Y
CR1-X2_2	5.44	1.39	Y
CR1-X2_3	6.65	2.71	Y
CR1-X2_4	5.48	1.30	Y
CR1-Y	3.55	1.90	Y
CR1-C3	15.39	2.90	A
CR1-C3_2	12.03	2.36	A
CR1-C3_3	10.09	3.82	A
CR1-C4	15.85	2.67	A
CR1-C4_2	16.99	2.96	A
CR1-C4_3	16.49	3.13	A
CR1-C4_4	18.08	2.90	A
CR1-C4_5	18.49	3.01	A
CR1-D	10.07	2.04	A
CR1-D_2	10.46	2.69	A
CR1-D_3	10.22	2.30	A
CR1-D2	11.41	2.24	A
CR1-D2_2	12.79	2.27	A
CR1-D2_3	12.78	2.47	A
CR1-E	10.85	2.52	A
CR1-E_2	9.60	2.40	A
CR1-E_3	22.62	3.15	A
CR1-E_4	11.46	3.40	A
CR1-F	11.03	3.36	A
CR1-F2	10.21	2.25	A
CR1-F2_2	11.67	3.89	A
CR1-F2_3	12.08	4.49	A

CR1-G	17.10	3.87	A
CR1-G_2	19.67	4.17	A
CR1-G_3	22.53	4.39	A
CR1-G_6	15.59	2.67	A
CR1-G_7	15.77	2.50	A
CR1-X_3	15.09	4.62	A
CR1-X_5	12.44	2.89	A
CR1-X_6	12.72	3.08	A
CR1-X_8	13.94	4.11	A
CR1-Y3	9.98	2.34	A
CR1-G_4	31.93	6.91	AA
CR1-G_5	27.42	7.45	AA
CR1-X_2	16.45	6.45	AA
CR1-X_4	16.65	5.15	AA
CR1-X_7	21.90	5.66	AA
CR1-Y4	19.00	6.59	AA
CR1-Y4_2	27.48	7.96	AA

After correction for multiple hits and the CpG content, we calculated the mean and standard deviation of the divergence distribution. The mean of 9.0 substitutions from consensus (%) was used as the threshold to define Y (“young”) or A (“ancient”) subfamilies. The standard deviation of 5.0% was used to decide one or two modes. One-mode distributions were labeled as Y or A while two-mode distributions are labeled as AA.

File S2. Fasta files of 57 putative chicken and one turkey-specific CR1 consensus sequences.

>CR1-C4\_2

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GCC

>CR1-X\_2

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>CR1-G\_2

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>CR1-C

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>CR1-X2\_2

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>CR1-H\_2

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TCA

>CR1-D2

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GCC

>CR1-B2

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GCC

>CR1-E\_2

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GCC

>CR1-X1

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>CR1-F2

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>CR1-Y

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>CR1-B

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GC

>CR1-Y4

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>CR1-F

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>CR1-D\_2

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>CR1-C3

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>CR1-C3\_2

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>CR1-G\_3

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>CR1-X\_3

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>CR1-G

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>CR1-G\_4

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>CR1-G\_6

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>CR1-G\_7

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>CR1-C3\_3

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GC

>CR1-B2\_2

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GCC

>CR1-E

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GCC

>CR1-E\_3

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GCC

>CR1-E\_4

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