

- 1 **Supplementary Table 1.** Data used for testing the occurrence of female (F) and male (M) reproductive genes among newly emerged Z-
- 2 chromosome genes.

Gene	Expressed in	Male/female expression ratio	Affymetrix ID	ENSEMBL ID	Origin
NRG1	-/M	0,7626	Gga.135.2	ENSGALG00000015422	Moved to Z
HEATR7B2-like	-/M	0,9932	GgaAffx.10419.1	ENSGALG00000016539	New, bird-specific gene
HEATR7B2-like	-/M	0,9932	GgaAffx.10419.1	ENSGALG00000016539	New, bird-specific gene
PDE6B	-/M	1,0021	Gga.5183.1	ENSGALG00000015373	Moved to Z
AVR2	-/M	1,0495	Gga.179.1	ENSGALG00000002446	New, bird-specific gene
NPR2	-/M	2,481	GgaAffx.10039.1	ENSGALG00000015753	Duplicated onto Z
FUT10	-/M	3,8037	Gga.5114.1	ENSGALG00000015399	Moved to Z
IDUA	-/M	7,012	GgaAffx.9796.1	ENSGALG00000015376	Moved to Z
FLNC-like	-/M	11	GgaAffx.10060.2	ENSGALG00000014707	New, bird-specific gene
HEATR7B2-like	-/M	17,182	Gga.6853	ENSGALG00000017045	New, bird-specific gene
U632B	-/M	19,909	Gga.2644.1	ENSGALG00000015337	Moved to Z
THAP1	-/M	40,042	GgaAffx.9801.1	ENSGALG00000015385	Moved to Z
cZorf1	-/M	43,857	GgaAffx.1229.1	ENSGALG00000001871	New, bird-specific gene
LIPL	F/M	0,0494	GgaAffx.21769.1	ENSGALG00000015425	Moved to Z
RLN3	F/M	0,4169	Gga.12454.1	ENSGALG00000015028	Duplicated onto Z
ANKRD13C	F/M	0,8465	Gga.9421.1	ENSGALG00000011311	Duplicated onto Z
CHRNA3	F/M	0,9924	Gga.335.1	ENSGALG00000015384	Moved to Z
cZorf3	F/M	1,15	GgaAffx.10036.1	ENSGALG00000015743	New, bird-specific gene

GAK	F/M	1,1549	Gga.10527.1	ENSGALG00000015352	Moved to Z
TMEM175	F/M	1,3361	Gga.15345.1	ENSGALG00000015368	Moved to Z
also similar to AVIDIN	F/M	1,5043	Gga.729.1	ENSGALG00000023622	New, bird-specific gene
PCGF3	F/M	1,529	GgaAffx.24654.1	ENSGALG00000015333	Moved to Z
ATP5I	F/M	3,4609	Gga.6091.1	ENSGALG00000015372	Moved to Z
MRPL17	F/M	3,5316	Gga.3315.1	ENSGALG00000002605	Moved to Z
CFC1	F/M	3,7921	Gga.2640.1	ENSGALG00000012623	Moved to Z
PIGG	F/M	4,4296	GgaAffx.24658.1	ENSGALG00000015349	Moved to Z
RFK	F/M	6,5717	Gga.19295.1	ENSGALG00000000004	?
MFSD7	F/M	7,241	Gga.7694.1	ENSGALG00000020538	Moved to Z
FNTA	F/M	7,2627	Gga.16685.1	ENSGALG00000015397	Moved to Z
HOOK3	F/M	8,9158	GgaAffx.9807.1	ENSGALG00000015390	Moved to Z
PSD3	F/M	9,747	GgaAffx.9826.1	ENSGALG00000015428	Moved to Z
APH1A	F/M	10,078	Gga.2367.1	ENSGALG00000002578	Moved to Z
TPPP2	F/M	3669	Gga.16625.1	ENSGALG00000015213	Duplicated onto Z
SLC26A1	F/-	0,999	GgaAffx.9798.1	ENSGALG00000015380	Moved to Z
IFNB	-/-		GgaAffx.3605.1	ENSGALG00000005759	New, bird-specific gene
IFN1A	-/-		Gga.801.1	ENSGALG00000013245	New, bird-specific gene
AVIDIN-like	-/-		Gga.8170.1	ENSGALG00000021848	New, bird-specific gene
AVID	-/-		GgaAffx.10183.1	ENSGALG00000023622	New, bird-specific gene
HEATR7B2-like	-/-		GgaAffx.10584.1	ENSGALG00000016305	New, bird-specific gene
CNTNAP4	-/-		GgaAffx.11178.1	ENSGALG00000023179	Duplicated onto Z
CPLX1	-/-		GgaAffx.9776.1	ENSGALG00000015332	Moved to Z

