Galliformes PCR primer database

This table contains published microsatellite primers for Galliformes and all *Gallus gallus* primers that have been shown to amplify at least one other Galliform species.

INSTRUCTIONS FOR USE

1. Go to Table 1 and note the numerical code of the species that you are interested in.
2. Go to Table 2 and use the find facility on your browser to search for the numerical code of your chosen species.
3. Click on the links in the last column to get more information. In some instances the name of primer given will differ between publications, the primer sequence rather than its name should be used as a reference point when comparing two studies.

INTERPRETATION

1. Column 3 is a list of all the species that are known to have been tested with each primer.
2. Column 4 lists all those species that successfully amplified with each primer.
3. Column 5 lists those species that are known to be polymorphic for the marker amplified. [In many cases this has not been determined, as not enough individuals have been amplified – see specific studies for details]
4. Column 6 provides links or references to individual studies in which further information, such as amplification conditions are given.

TABLE 1: (see Excel File)

TABLE 2: Microsatellite Primers

MICROSATELLITE PRIMERS					
Primers	Sequence 5′ – 3′(Genbank Acc No)	Tested on	Amplifies	Polymorphic in	References (links)
LEI0040	GCATTGCAGGTGGTGATAGGG TCAGCGCTCTTGAACTCCAGC X78614.	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0043	CTTCCATGGCAGCTCAGCCT ATCACTCGCGGCCATTAGGA X78623	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0059	TGTGCGTTACCTGCAGCCC GAGCGAAAAGGATTTGACTGCA X78618	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0065	TGAAACATGTATGGAGTCTCAGCA GACAGCTAAATGCCAGTTCATGG X82812	197,2,5,8,11,12,14, 17,19,20,21,22	197,2,5,8,10,12,20,22	197,1	(2,5,8,10,12,20,22) Baker unpub; (1) Dawson unpub; (197) Gibbs et al. 1997
LEI0068	**TCCTTCACTGGGCGTGCTC** **CAAGTGTGAAGCCCATAGTGCA** X82867	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0069	**GCACTGGGGCTGAGCACTG** **CGCAGGTGACAAACTGCTTCA** X82868	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0070	GCGGAGAGCAATTAGTCTGCAA CGGCTCGGGAAAACAATCAC X82869	197,2,5,8,11,12,14, 17,19,20,21,22	197,2,8,11,12,17,20	197	(2,8,11,12,17,20) Baker unpub (197) Gibbs et al. 1997
LEI0080	TAAGTGCAGCACAGCAGACC CCATACAGAAACTTCTCAGCACTG X82863	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0085	GGATGAAGTGCCACCATCAGG ATGCGTGCTTAGAGGCCAGTG X82800	197,2,5,8,11,12,14, 17,19,20,21,22	197,11,20,21,22	197,1	(11,20,21,22) Baker unpub; (1) Dawson unpub; (197) Gibbs et al. 1997
LEI0093	TCCTTGAAGTATTCCAAAGCTCA TCTCCTACTCCAGTGCCTTCA X83260	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0096	CTACAAATGGGTGAAGTTTCCTCG TCCAAAGTGAGAGCTGCAAGG X83257	197,2,5,8,11,12,14, 17,19,20,21,22	197,2,10,11,14,19,17,20	197,1	(2,10,11,14,19,17,20) Baker unpub; (1) Dawson unpub; (197) Gibbs et al. 1997
LEI0098	AAAAGACAATGCAATTGGTGC CTGCCACTGATGCTGTCACT X83260	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0100	TTGTGAAGACAGGCAGATGC GCCTGGTATTATTTCCCTCTGTC X82859	197,1,2,5,8,11,12,14, 17,19,20,21,22	197,1	197,1	(1) Dawson unpub. (197) Gibbs et al. 1997

LEI0104	TGTTCATTGCACAGAAGCAGGA CTCCACGTGCAAAGCAGCC X83240	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0110	GGGACCCAAGGCACACACTA ATCCTCTATGAGGAAGGGAAGTGA X83255	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0131	CTATGGGCAGTGGTGGAGAA CAATGGAGGGCACTGTTAGA X83980 X82855	197,1,2,5,8,11,12,14, 17,19,20,21,22	197,1,2,11	197,1	(1) Dawson unpub; (2,11) Baker unpub (197) Gibbs et al. 1997, Hanotte et al. 1997
LEI0132	ACGCCCTCTCAAATGAAGCG GGGAGGATGGGGAAACACG X83256	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0141	TGAGTCCAGTGTGCCATGCA AGAGGCCATGTCTGGAAAGCC X83235	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0154	AGGCACCGAGCTACGTCTGG ACCTCCCAGCAGCCACAGTC X85515	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0154	AGGCACCGAGCTACGTCTGG ACCTCCCAGCAGCCACAGTC X85515	197,2,5,8,11,12,14, 17,19,20,21,22	197,20	197,1	(20) Baker unpub; (1) Dawson unpub; (197) Gibbs et al. 1997
LEI0160	GCAGACAGCCGTTAATATATGCG AACCAAAACACAAGCTCTTGCA X85523	197,2,5,8,11,12,14, 17,19,20,21,22	197,2,5,8,11,12,14, 17,19,20,21,22	197	(2,5,8,11,12,14,17,19,20, 21,22) Baker unpub; (197) Gibbs et al. 1997
LEI0177		197,1	197,1	197,1	(197) Hanotte et al. 1997 (1) Dawson unpub,
LEI0178	X78610	197,1	197,1	197,1	(197) Gibbs et al. 1997 (1) Dawson unpub
LEI0179	X78611	197,1	197,1	197,1	(197) Hanotte et al. 1997 (1) Dawson unpub
LEI0186	X78620	197,1	197,1	197,1	(197) Hanotte et al. 1997 (1) Dawson unpub
LEI0197	CAAATGCTGCCAGTAGGTCTG CGTTTCCCTCCGGCTTAC Z83776	197,1	197,1	197,1	(197) Dawson et al. 1998 (1) Dawson unpub
LEI0206	TGCTCAGAAAACACGGCTGC CGGGAAGCTTGGAATTCTGC Z83770	197,1	197,1	197,1	(197) Dawson et al. 1998 (1) Dawson unpub
BrT01	ACGCACACCTACACACTGTAC TCCAACGTTTATGATTCTCTGA AJ347718	1,2,5,8,11,12,14, 17,19,20,21,22	1,2,5,8,10,12,17,19,	1	(1)Dawson unpub; (1,2,5,8 ,10,12,17,19) Baker unpub
BrT02	TCTTTTTGTATGTATGAGCGTG	1,2,5,8,11,12,14,	1,2,5,11,12,19,22	1	(2,5,11,12,19,22) Baker

	AGTTTTTGCAAATGGTGTTAGT AJ347719	17,19,20,21,22			unpub; (1)Dawson unpub
BrT03	AAAAGCTTTGTGTGTACAGTTC CGTAGGTGGGTTCTTGG AJ347720	1	1		(1)Dawson unpub
BrT04	GGTGAGGAACACTGAGTATCTT CAGTCTCATGAAGAAGGAAGAT AJ347721	1,2,5,8,11,12,14, 17,19,20,21,22	1,2,5,8,	1	(2,5,8) Baker unpub; (1) Dawson unpub
BrT06	GAAAGTAAGAAATAAAGACAACGACTG ATCCATTCTTCCCTCCTTCC AJ347722	1	1		(1)Dawson unpub
BrT08	AGGCATATCAATTTCAAAGCA TGATACCATGCAATAACAGACA AJ347723	1,2,5,8,11,12,14, 17,19,20,21,22	1,2,8,11,14	1	(1)Dawson unpub; (2,8,11,14) Baker unpub
BrT09	CACCACAAACATAAGCTGCG CTTTTGGAAAATGAGAATTCGA AJ347724	1	1		(1)Dawson unpub
BrTO10	CCTTCCATCAATACTTTATTCATTAC GATCGAAGGTTGTTATAAATGGA AJ347725	1	1		(1)Dawson unpub
BrT11	CCATTATGAATGGACTTAAAATGAGTTAG CAGCGACCTGAATCAGACAG AJ347726	1,2,5,8,11,12,14, 17,19,20,21,22	1,2,5,8,11,22	1	(1)Dawson unpub; (2,5,8,11,22) Baker unpub
BrT12	GATCTTCAATAGCTAGATATCCATCAG AATGTTGCATACCTTTGGCTG AJ347727	1,2,5,8,11,12,14, 17,19,20,21,22	1,5,8,11,10,17,20,21, 22	1	(1)Dawson unpub; (5,8,11,10 17,20,21,22) Baker unpub
LLSD4	AGTGGAAGCTAAGCAGATTGTG ATAGTCAATGCCTACACTCAGC X99054	26,27	26,27	26,27	(26)Piertney & Dallas (1997) (27)Caizergues et al. (2003);
LLST1	AAATTCTTTTCTTGTTGATGAG TGAGGGTTATGACATTATTAGG X99051.	26,27	26,27	26,27	(26)Piertney & Dallas (1997); (27)Caizergues et al. (2003)
TTT1	AF303098.	27,29	27,29	27,29	(29)Caizergues et al. (2001) (27)Caizergues et al. (2003)
TTT2	AF303099	27,29	27,29	27,29	(29)Caizergues et al. (2001) (27)Caizergues et al. (2003)
TTD6	AF303097	27,29	27,29	27,29	(29)Caizergues et al. (2001) (27)Caizergues et al. (2003)
TUT1	AF254653	27,31	27,31	27,31	(31)Segelbacher (2000) (27)Caizergues et al. (2003)
ADL0023	L23905	197,106	197,106	197	(106)Pang et al. (1999) (197) Cheng & Crittenden (1994)
ADL0024	L23906	197,106	197,106	197	(106)Pang et al. (1999)

					(197) Cheng & Crittenden (1994)
ADL0037	L23912	197,106	197,106	197,106	(106)Pang et al. (1999) (197) Cheng & Crittenden (1994)
ADL0038	L23916	197,106	197,106	197	(106)Pang et al. (1999) (197) Cheng & Crittenden (1994)
ADL0142	CAGCCAATAGGGATAAAAGC CTGTAGATGCCAAGGAGTGC G01567	197,106	197,106	197,106	(106) Pang et al. (1999) (197) Cheng unpub
ADL0143	CCTGTCTCTGGTCTTTATCC AGTTTACTTCCTTTTCTTGC G01568	197,106	197,106	197,106	(106) Pang et al. (1999) (197) Cheng unpub
ADL0206	TTTCTATCCTTCATCTCCAG AGACATCCTGCTTTCTCGTG G01626	197,106	197,106	197,106	(106) Pang et al. (1999) (197) Cheng unpub
ADL0257 ADL0315	ATCTTGAAACCTCACAAAGC TCTTCCAACCTATTTTTAGT G01677	197,106	197,106	197	(106) Pang et al. (1999) (197) Cheng unpub
ADL0366	AGCTCCTTGTACCCCTTTGC CACCATTTGCCTCACCAACT G29072	197,106	197,106	197	(197) Cheng & Ponce de Leon unpub (106) Pang et al. (1999)
HUJ0006	L10294	197,106	197,106	197,106	(197) Khatib & Soller unpub (106) Pang et al. (1999)
GUJ0001	GAAGCGAAAGCCGAGCCA CAGCACTTCGGAGCACAGGA AB035652.	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0003	AGGGAAGAAGCAACTGTTC ATTCCAGAATCTGGACTGG AB035814	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0008	CATGGTTATCAACCTGCAGA ACATGCCAGTCCTTCCACAAT AB035818	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0010	TTCCTTCTGGGTGCTGCTCA CATAGACACATCCCTCCCTC AB035820	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0013	ACCAAACCCGAGATCCGACA AGCGTTCGCGTTCCTCTTTC AB035823	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0014	TGCTGGGGTTGCTTTCTCCA TCTCGGTGGTTTGCTCTGAC AB035824	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0017	AGAGAGATTAGAGGAGCTGC	197,106,149	197,106,149	197,106,149	Kayang et al. 2002

	GGCACTAAAACCATCGAGAG AB035827				
GUJ0018	ATCCCGCGCCGTCCTTTGTT CGGCACCACGAAGTACTCCA AB035828	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0021	GAGCATTTCTAGTCTGTCTC GATCAATACACAGGCTAAGG AB035831	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0023	GAGAGGTACAGCAACACTTT CGTTTCTTTCTGGAGTGTCT AB035833	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0027	TTCACAGATGACAATCTAGC CTGCAAGTAACAGAAGGTAA AB035837	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0029	GAGCATTTCTAGTCTGTCTC ATACACAGGCTAAGGGAAACC AB035839	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0031	AAGGGCAGGGGCTGGGAACA CGCCTCTGCGGTGTGCAACT AB035841	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0034	CGTAACGGTCCAATATGGAT TCCACGATGCAGAGGTATTT AB035844	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0039	CAAAGAGCAGAGGGAATGGA CCGAGAGATGGGTTTTTTCC AB035849	106,149,197	106,149	106,149	Kayang et al. 2002
GUJ0040	GTTGAAGCTCCCATCCCTCC ACACCCCCACGGTCTTTGCA AB035850	106,149,197	106,149	106,149	Kayang et al. 2002
GUJ0042	TCAGTGCCTTTGTGTTGTCC ACAGCCTTCCCCAAATTCCT AB035852	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0044	GCCTTGAAACCTGAGTGATC TGCATTTCAGCAGCTCTCAG AB035854	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0046	GCCATGTTTGTCACCTTGCA ACTGGTTGGGACTGAAGGAT AB035856	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0047	GAGATAAGACTGGCTGGGGC TCACCGTGGCTGGCCAACTT AB035857	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0049	GAAGCAGTGACAGCAGAATG CGGTAGCATTTCTGACTCCA AB035859	197,106,149	197,106	197,106	Kayang et al. 2002

GUJ0050	CTGCCATGTTACTAATCTAG TGGTTTCTTTACACTTGACA AB035860	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0054	GTGTTCTCTCACTCCCCAAT ATGTGAGCAATTGGGACTG AB063122	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0056	GTTACATCCATCCTGCCTCA CTCTTGAGCCTACCAGTCTG AB063124	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0057	GGAATGGAAAATATGAGAGC CAGGTGTTAAAGTCCAATGT AB063125	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0058	CCCTTCCAAGTTCCTGG ATGACAGGTCCAGCCTG AB063126.	197,106,149	197,106	197,106	Kayang et al. 2002
GUJ0059	GACAAAGTTACAGCTAGGAG TAGGTGCGAAAATCTCTGAC AB063127	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0061	CCACGCTCCCCAATTTCCTG CCTTGGAGTGCTTCCAAGCG AB063129	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0063	GCTCAGGTTCTCAGCTGATG GGGAGAGATCAAGGGAACAG AB063131	197,106,149	197,106,149	197,106,149	Kayang et al. 2002
GUJ0064	AAGCCTGATTCCCTGCCTTG TTAAAGCTGGGAGGTGGAGG AB063132	106,149,197	106,149	106,149	Kayang et al. 2002
GUJ0065	GCGTGCCATTTACTTCCCGG AGCCAGGATGACCAGGAAGG AB063133	106,197,149	106,197	106,197	Kayang et al. 2002
GUJ0066	GGGAAAACAATCACTGCCTC TCTGCAAATCCCCCTTAGAG AB063134	106,149,197	106,149,197	106,149,197	Kayang et al. 2002
GUJ0070	AAACCCCAAAGAAGCTGTCC ACGTTGTCACCATCAGCTTG AB063138	106,197,149	106,197	106,197	Kayang et al. 2002
GUJ0073	GCTGCTATTCTGTTGATGTG CAACTGCAAAGACAACATCC AB063141	106,149,197	106,149	106,149	Kayang et al. 2002
GUJ0077	TATAAGATGGGGAGTGGCAG ATTTTGCTGACCCCCTTCTG AB063145	106,197,149	106,197	106,197	Kayang et al. 2002
GUJ0082	CTTGGAACACACGGGATGGC TTACCCCTCTTTTCCCCCCG	106,197,149	106,197	106,197	Kayang et al. 2002

	AB063150				
GUJ0084	ACTCCTCCTCTTTCTCCCTC TCCCGTCTCCCGATGTGTTT AB063152	106,197,149	106,197,149	106,197,149	Kayang et al. 2002
GUJ0085	ACAACCACTTCTCCAGCTAC GCTTGTGCTGCTGTTGCTAA AB063153	106,197,149	106,197	106,197	Kayang et al. 2002
GUJ0086	AGCTGCCATATCTACTGCTC TGGCTTAGTGCTTTCAGAGG AB063154	106,197,149	106,197,149	106,197,149	Kayang et al. 2002
GUJ0087	CATGCCGGCTGCTATGACAG AAGTGCAGGGAGCGAGGAAG AB063155	106,197,149	106,197,149	106,197,149	Kayang et al. 2002
GUJ0089	CCAGTTTAAGCACCAGCATC TGGCAAGTAGTCGTGGAAGA AB063157	106,149,197	106,149,	106,149,	Kayang et al. 2002
GUJ0091	AAACCGCCATCCCCATTCC AGCACGTGGGCAAAGGAAC AB063159	106,149,197	106,149,197	106,149,197	Kayang et al. 2002
GUJ0093	CTCTTGTATTGTAACTGGGC AGCCATAGAGGGCTATTAAG AB063161	106,149,197	197,106	197,106	Kayang et al. 2002
GUJ0094	ATTTTCCCCTCCTTGTCATG CACTGTTCACTGTTATTCCC AB063162	106,149,197	106,149,197	106,149,197	Kayang et al. 2002
GUJ0097	GGATGCTCAGTGTGGAAAAG GAGCAAGAGGTGAGTGTTTC AB063165	106,197,149	106,197	106,197	Kayang et al. 2002
GUJ0098	GCATAACTGAACTACCACGC GCATCAGTTCCATCAGCTAG AB063166	106,197,149	106,197	106,197	Kayang et al. 2002
GUJ0099	CTCTTATCCATCCTTCCTTC TTTTAAGTTTCCCCAGGCAG AB063167	106,197,149	106,197	106,197	Kayang et al. 2002