

Supplemental Table 1. Subject summary used in this study

[illegible]

Supplemental Table 2. Overview of 5-*HTR* subfamily RNA probes used in this study

Accession number	Gene symbol	Molecular characteristics	Probe preparation
NM_001170528.1	5- <i>HTR1A</i>	GPCR	Fujita, et al. (2020)
XM_015284634.2	5- <i>HTR1B</i>	GPCR	Fujita, et al. (2020)
XM_015297583.1	5- <i>HTR1D</i>	GPCR	Fujita, et al. (2022a)
XM_015284709.2	5- <i>HTR1E</i>	GPCR	Fujita, et al. (2022a)
XM_004938334.3	5- <i>HTR1F</i>	GPCR	Fujita, et al. (2022a)
XM_025151250.1	5- <i>HTR2A</i>	GPCR	Fujita, et al. (2020)
XM_025153310.1	5- <i>HTR2B</i>	GPCR	Fujita, et al. (2022a)
XM_004940651.3	5- <i>HTR2C</i>	GPCR	Fujita, et al. (2020)
XM_004948063.3	5- <i>HTR3A</i>	Ligand-gated ion channel	Fujita, et al. (2020)
XM_015293658.2	5- <i>HTR4</i>	GPCR	Fujita, et al. (2020)
XM_425970.3	5- <i>HTR5A</i>	GPCR	Fujita, et al. (2022a)
XM_015288394.2	5- <i>HTR7</i>	GPCR	Fujita, et al. (2022a)

5-HTR: 5-hydroxytryptamine receptor; GPCR: G protein-coupled receptor

Supplemental Figure 1. 5-HTR probes sequencing and alignment results

5-HTR1A

>Gallus gallus 5-hydroxytryptamine receptor 1A (HTR1A), mRNA

Sequence ID: NM_001170528.1 Length: 1335

>Gallus gallus 5-hydroxytryptamine receptor 1A precursor (HTR1A) mRNA, complete cds

Sequence ID: GU189388.1 Length: 1335

Range 1: 79 to 815

Score:1362 bits(737), Expect:0.0,

Identities:737/737(100%), Gaps:0/737(0%), Strand: Plus/Plus

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Query 1 AACACTACCTCCCCAGAACGCTCCCCGAGGGGAAGGTGGCCCCGGTCTCGCCGAGGTG 60
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 79 AACACTACCTCCCCAGAACGCTCCCCGAGGGGAAGGTGGCCCCGGTCTCGCCGAGGTG 138

Query 61 ACCCTGGGCTACCAAGTGTCTCACCTCCCTGCTCCTGGGCACGCTCATCCTGTGCGCCGTG 120
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 139 ACCCTGGGCTACCAAGTGTCTCACCTCCCTGCTCCTGGGCACGCTCATCCTGTGCGCCGTG 198

Query 121 AGCGGCAACGCCTGCGTGATCGCTGCCATCGCCCTGGAGCGCTCCCTGCAAACCGTGGCC 180
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 199 AGCGGCAACGCCTGCGTGATCGCTGCCATCGCCCTGGAGCGCTCCCTGCAAACCGTGGCC 258

Query 181 AACTATCTCATCGGCTCGCTGGCCGTACCGACCTCATGGTGTCCGTGCTGGTGTGCC 240
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 259 AACTATCTCATCGGCTCGCTGGCCGTACCGACCTCATGGTGTCCGTGCTGGTGTGCC 318

Query 241 ATGGCGGCCCTCTACCAGGTGCTGAACAAGTGGACTCTGGGCAGGTCTCTGCGATATC 300
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 319 ATGGCGGCCCTCTACCAGGTGCTGAACAAGTGGACTCTGGGCAGGTCTCTGCGATATC 378

Query 301 TTCATCTCGCTGGACGTGCTGTGCTGCACCTCTTCCATCCTGCACCTGTGCGCCATCGCC 360
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 379 TTCATCTCGCTGGACGTGCTGTGCTGCACCTCTTCCATCCTGCACCTGTGCGCCATCGCC 438

Query 361 TTGGACAGGTAAGTGGGCCATCAGGACCCCATCGACTATGTCAACAAGCGAACTCCCGC 420
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 439 TTGGACAGGTAAGTGGGCCATCAGGACCCCATCGACTATGTCAACAAGCGAACTCCCGC 498

Query 421 CGGGCCGCCGTGCTCATCAGCCTGACCTGGCTCATCGGCTTCTTGATATCCATCCCGCCC 480
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 499 CGGGCCGCCGTGCTCATCAGCCTGACCTGGCTCATCGGCTTCTTGATATCCATCCCGCCC 558

Query 481 ATGCTGGGCTGGAGGACACCGAGGACCGCTCAAATCCTGACGCCTGCACCATCAGCAAG 540
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 559 ATGCTGGGCTGGAGGACACCGAGGACCGCTCAAATCCTGACGCCTGCACCATCAGCAAG 618

Query 541 GACCACGGGTACACCATCTACTCCACCTTCGGCGCCTTCTACATCCCGCTGCTCCTCATG 600
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 619 GACCACGGGTACACCATCTACTCCACCTTCGGCGCCTTCTACATCCCGCTGCTCCTCATG 678

Query 601 CTGGTGCTCTACGGCCGCATCTTCAAAGCAGCCCGCTTCAAGATCCGCAAGACAGTCAAG 660
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 679 CTGGTGCTCTACGGCCGCATCTTCAAAGCAGCCCGCTTCAAGATCCGCAAGACAGTCAAG 738

Query 661 AAAGCAGAAAAGAAGAAAATCGCCGACACTTGCCTCACCTCTCCCGGGCCGCCCTGCAG 720
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 739 AAAGCAGAAAAGAAGAAAATCGCCGACACTTGCCTCACCTCTCCCGGGCCGCCCTGCAG 798

Query 721 AAGAAAAGCAACGGGGA 737
      ||||||||||||||||
Sbjct 799 AAGAAAAGCAACGGGGA 815
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5-HTR1B

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 1B (HTR1B), transcript variant X1, mRNA
Sequence ID: XM_046914126.1 Length: 2437
Range 1: 1104 to 1811

Score:1288 bits(697), Expect:0.0,
Identities:707/711(99%), Gaps:3/711(0%), Strand: Plus/Plus

Query	1	TCACGTGGCTGGGATATCTCAACTCCCTCATCAACCCCATCATCTATACCATGTCTAAGG	60
Sbjct	1104	TCACGTGGCTGGGATATCTCAACTCCCTCATCAACCCCATCATCTATACCATGTCTAAGG	1163
Query	61	AAGACTTCAAGCAAGCTTTCACAAACTCATCCGTTTCCGCTGCACAGGCTGAACATTTG	120
Sbjct	1164	AAGACTTCAAGCAAGCTTTCACAAACTCATCCGTTTCCGCTGCACAGGCTGAACATTTG	1223
Query	121	GAATGCGATGTGTTCCCGGGGCCGCCCGCGCACGCCCGTGCCCGATGCCACAGAATC	180
Sbjct	1224	GAATGCGATGTGTTCTCCGGGGCGGCCCGCGCACGCCCGTGCCCGATGCCACAGAATC	1283
Query	181	AAGTTGCTATTGTAAGACCCACTGCTTGAAACTTCCCAAGCCAGTTGCCAGACTCAT	240
Sbjct	1284	AAGTTGCTATTGTAAGACCCACTGCTTGAAACTTCCCAAGCCAGTTGCCAGACTCAT	1343
Query	241	GATGCTGCAAAAAACGTCAATACATACTGCCAGCAAAGCTGCTCAGCTCTGCATTTCAGTG	300
Sbjct	1344	GATGCTGCAAAAAACGTCAATACATACTGCCAGCAAAGCTGCTCAGCTCTGCATTTCAGTG	1403
Query	301	TAATGACTCTGGCAGAGATGCTGTTCCAGTAGTCACGCAGATCAGTTGCaaaaaaGAGG	360
Sbjct	1404	TAATGACTCTGGCAGAGATGCTGTTCCAGTAGTCACGCAGATCAGTTGCaaaaaaGAGG	1463
Query	361	GCAGCCTCGAATCAAGGTCTATAATTTCATCCGACTGAAGAAAAAGCTTGAGAGTAAACT	420
Sbjct	1464	GCAGCCTCGAATCAAGGTCTATAATTTCATCCGACTGAAGAAAAAGCTTGAGAGTAAACT	1523
Query	421	CAATTTATTTTGCAGGCTTAACTTCTTAATTTGTTCTCCGGCCAGTTGTAGGGGTGTGCA	480
Sbjct	1524	CAATTTATTTTGCAGGCTTAACTTCTTAATTTGTTCTCCGGCCAGTTGTAGGGGTGTGCA	1583
Query	481	CAAGAGCACAGTTGTCTGTCTGTGTTGGTAGCGTAGTTGTACTTCTGCACACCTGTAA	540
Sbjct	1584	CAAGAGCACAGTTGTCTGTCTGTGTTGGTAGCGTAGTTGTACTTCTGCACACCTGTAA	1643
Query	541	TTTCTTTCTTTCAAGTGGAAAGAGTTGCTCACTCCTTATGAGCTCTAGAAGGGGaaaaaaa	600
Sbjct	1644	TTTCTTTCTTTCAAGTGGAAAGAGTTGCTCACTCCTTATGAGCTCTAGAAGGGG-----AAAA	1700
Query	601	aaaaacaaaaccacaacgcaacaaaaacagctttaaaaaagaaaaaGGGGAGCATCACAG	660
Sbjct	1701	AAAAACAAAACCACAACGCAACAAAACAGCTTTAAAAAAGAAAAGGGGAGCATCACAG	1760
Query	661	AAACTCTGTGCACGACTCCTTCAGCTGAATGTGTGTGAGAAGTGGCAGTG	711
Sbjct	1761	AAACTCTGTGCACGACTCCTTCAGCTGAATGTGTGTGAGAAGTGGCAGTG	1811

5-HTR1D

>PREDICTED: Gallus gallus 5-hydroxytryptamine (serotonin) receptor 1D, G protein-coupled (HTR1D), mRNA
Sequence ID: XM_040690105.2 Length: 3213
Range 1: 904 to 1607

Score:1290 bits(698), Expect:0.0,
Identities:702/704(99%), Gaps:0/704(0%), Strand: Plus/Minus

Query	1	TTCGTGAAGGCTTGCCTTAATGGAGCAGAGGGAAGACCCAGCAGGCCAGTTATCAGGTG	60
Sbjct	1607	TTCGTGAAGGCTTGCCTTAATGGAGCAGAGGGAAGACCCAGCAGGCCAGTTATCAGGTG	1548
Query	61	TGCAGTAGTGAATCGTTTCCCATACAGTGAGGGTGGCTTCAGGATCCTGGATCGAGCTGC	120
Sbjct	1547	TGCAGTAGTGAATCGTTTCCCATACAGTGAGGGTGGCTTCAGGATCCTGGATCGAGCTGC	1488
Query	121	TACATAAATCCTACCGTATAATATTAGGAGGAGCACAGTTGGAATGTAGAAAGCTCCACA	180
Sbjct	1487	TACATAAATCCTACCGTATAATATTAGGAGGAGCACAGTTGGAATGTAGAAAGCTCCACA	1428
Query	181	GGTGAATAAATTGTGTAGGAAATCTGATCTGTGTTACATTACACTTCGCGATTTCCTTC	240
Sbjct	1427	GGTGAATAAATTGTGTAGGAAATCTGATCTGTGTTACATTACACTTCGCGATTTCCTTC	1368
Query	241	ATGAGCTTTCACCTTGCCCTCCAGAAAAATGGTGGCAGAGAAATACTAATGGAGATCATCCA	300
Sbjct	1367	ATGAGCTTTCACCTTGCCCTCCAGAAAAATGGTGGCAGAGAAATACTAATGGAGATCATCCA	1308
Query	301	AACCACAGCGATCATGAGCATTGCTCGGCCAGCAGTCCGGCGTTTGGCATATTCCAAAGC	360
Sbjct	1307	AACCACAGCGATCATGAGCATTGCTCGGCCAGCAGTCCGGCGTTTGGCATATTCCAAAGC	1248
Query	361	ATCTGTGATAGCCAGTATCTGTCCAGTACAATAACACAGAGGTGTAGGATTGAGGCTGT	420
Sbjct	1247	ATCTGTGATAGCCAGTATCTGTCCAGTACAATAACACAGAGGTGTAGGATTGAGGCTGT	1188
Query	421	GCAGCACGTGATGTCTGATGATAACCAGATATCACACAGCACTTGGCCAAAGGCCACGT	480
Sbjct	1187	GCAGCACGTGATGTCTGATGATAACCAGATATCACACAGCACTTGGCCAAAGGCCACGT	1128
Query	481	GTGGGTGACAGTGTAAAGCGATACTGATGGGCATCACAAGGACAGACACTAAAAGATCTGT	540
Sbjct	1127	GTGGGTGACAGTGTAAAGCGATACTGATGGGCATCACAAGGACAGACACTAAAAGATCTGT	1068
Query	541	TACTGCCAAGGAGCCAATGAGGTAATTTGCAGGTGTGTGGAGCTTTCTAGTCaaaaaaT	600
Sbjct	1067	TACTGCCAAGGAGCCAATGAGGTAATTTGCAGGTGTGTGGAGCTTTCTAGTCAAAAAAAT	1008
Query	601	TGTAATAACAACAAAAACATTTGCAAGGATTGTTGCCAAAGTTATGACAGACAGAAGGAC	660
Sbjct	1007	TGTAATAACAACAAAAACATTTGCAAGGATTGTTGCCAAAGTTATGACAGACAGAAGGAC	948
Query	661	TGACAGGGATATCTTCAGCCCTAACAGTGTCTTTTCATCCACGG	704
Sbjct	947	CGACAGGGATATCTTCAGCCCTAACAGTGTCTTTTCATCCACGG	904

5-HTR1E

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 1E (HTR1E), transcript variant X1, mRNA
Sequence ID: XM_040667699.2 Length: 6400
Range 1: 1428 to 2153

Score:1341 bits(726), Expect:0.0,
Identities:726/726(100%), Gaps:0/726(0%), Strand: Plus/Plus

Query	1	ACAACCTGACTATGCTGCTGAATTCTGCTGTCATTGCAGCAATCTCCACAACCAAGAAG	60
Sbjct	1428	ACAACCTGACTATGCTGCTGAATTCTGCTGTCATTGCAGCAATCTCCACAACCAAGAAG	1487
Query	61	CTTCACCAGCCTGCAAATTATTTAATATGCTCGCTAGCTGTGACAGACCTCCTTGTGCT	120
Sbjct	1488	CTTCACCAGCCTGCAAATTATTTAATATGCTCGCTAGCTGTGACAGACCTCCTTGTGCT	1547
Query	121	GTCCTCGTCATGCCCTTGAGTATCACTTACATAATGATAGATAAGTGGACTTTGGGATAC	180
Sbjct	1548	GTCCTCGTCATGCCCTTGAGTATCACTTACATAATGATAGATAAGTGGACTTTGGGATAC	1607
Query	181	TTCATCTGTGAGATATGGTTGAGCGTCGACATGACTTGTTCACGTGTTCAATTCTTCAC	240
Sbjct	1608	TTCATCTGTGAGATATGGTTGAGCGTCGACATGACTTGTTCACGTGTTCAATTCTTCAC	1667
Query	241	CTATGTGTTATTGCTCTGGACAGGTACTGGGCAATCACTGATGCCATCGAATACGCCAGG	300
Sbjct	1668	CTATGTGTTATTGCTCTGGACAGGTACTGGGCAATCACTGATGCCATCGAATACGCCAGG	1727
Query	301	AAAAGAACAGCAAAAAGGGCTGGGTTGATGATAGTCACCGTGTGGACTATCTCCATTTTC	360
Sbjct	1728	AAAAGAACAGCAAAAAGGGCTGGGTTGATGATAGTCACCGTGTGGACTATCTCCATTTTC	1787
Query	361	ATATCAATGCCCCCTTTGTTTTGGAGAAACCACCACAGCGTCAGTATTCAGTGAGTGC	420
Sbjct	1788	ATATCAATGCCCCCTTTGTTTTGGAGAAACCACCACAGCGTCAGTATTCAGTGAGTGC	1847
Query	421	CGCATTGAGCAGCACCATGTCATCTACACTATTTATTCCACATTTGGGGCATTTTACATA	480
Sbjct	1848	CGCATTGAGCAGCACCATGTCATCTACACTATTTATTCCACATTTGGGGCATTTTACATA	1907
Query	481	CCCTTGACTTTGATCCTGATCCTGTACTACAGAATCTACCACGCTGCAAAGAGTCTCTAC	540
Sbjct	1908	CCCTTGACTTTGATCCTGATCCTGTACTACAGAATCTACCACGCTGCAAAGAGTCTCTAC	1967
Query	541	CAGAAGCGGGGCTCAAGCCGCCATCTCAGCAACAGGAGCACCGACAGCCAAAACCTCTTC	600
Sbjct	1968	CAGAAGCGGGGCTCAAGCCGCCATCTCAGCAACAGGAGCACCGACAGCCAAAACCTCTTC	2027
Query	601	GCCAGCTGCAAGCTCACGCAGACGTTCTGCGTCTCGGACTTCTCCACCTCTGACCCACC	660
Sbjct	2028	GCCAGCTGCAAGCTCACGCAGACGTTCTGCGTCTCGGACTTCTCCACCTCTGACCCACC	2087
Query	661	ACAGAGTTTGATAAAATTAATGCATCTGTGAGGATCCCTCCTTTTGAGAATGACTTGGAC	720
Sbjct	2088	ACAGAGTTTGATAAAATTAATGCATCTGTGAGGATCCCTCCTTTTGAGAATGACTTGGAC	2147
Query	721	CTGGCT	726
Sbjct	2148	CTGGCT	2153

5-HTR1F

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 1F (HTR1F), transcript variant X3, mRNA
Sequence ID: XM_046913000.1 Length: 2846
Range 1: 834 to 1563

Score:1343 bits(727), Expect:0.0,
Identities:729/730 (99%), Gaps:0/730 (0%), Strand: Plus/Minus

Query	1	ATTCAGATCTGGGGCTTCGTATGCTGATGTTGATTTTATCACAGTCCACCAGTGGATCTG	60
Sbjct	1563	ATTCAGATCTGGGGCTTCGTATGCTGATGTTGATTTTATCACAGTCCACCAGTGGATCTG	1504
Query	61	ATGTCTTCTCTATTGTGCTGGGCATTGAAGTCAATTTGGTGGTTCTCTCACCTGCGTCCA	120
Sbjct	1503	ATGTCTTCTCTATTGTGCTGGGCATTGAAGTCAATTTGGTGGTTCTCTCACCTGCGTCCA	1444
Query	121	AAAGGACTTGTCATTACCTCCTCCCTGACTATCCGGCTGACACTTCTTCTGTGAAATG	180
Sbjct	1443	AAAGGACTTGTCATTACCTCCTCCCTGACTATCCGGCTGACACTTCTTCTGTGAAATG	1384
Query	181	TCTTTGCTGCTTTGTATATCTTGAATAAAGGATCAGAATCAAGGCCAGGGGGATATAGA	240
Sbjct	1383	TCTTTGCTGCTTTGTATATCTTGAATAAAGGATCAGAATCAAGGCCAGGGGGATATAGA	1324
Query	241	AGGCGCCAAATGTAGAGTAAATGGTGGAACAATGTGGTCATGTTTGATGATGCATTGAT	300
Sbjct	1323	AGGCGCCAAATGTAGAGTAAATGGTGGAACAATGTGGTCATGTTTGATGATGCATTGAT	1264
Query	301	CATCCCTGCCGTTGTCTGGTGCCGCCAAAACAAAGCGGCATGGAGATAAAATGGATA	360
Sbjct	1263	CATCCCTGCTGTTGTCTGGTGCCGCCAAAACAAAGCGGCATGGAGATAAAATGGATA	1204
Query	361	TGATCCATACCACTGCAATCATGATACCAGCATGCTTTGGTGTCTTTCCGTGCATATT	420
Sbjct	1203	TGATCCATACCACTGCAATCATGATACCAGCATGCTTTGGTGTCTTTCCGTGCATATT	1144
Query	421	CCACAGCATCTGTGATTGCTCTGTAACGATCCAAAGCAATGGCAGAGAGATGCAAGATGG	480
Sbjct	1143	CCACAGCATCTGTGATTGCTCTGTAACGATCCAAAGCAATGGCAGAGAGATGCAAGATGG	1084
Query	481	AGCATGTGCAGCATGTAATGTCCACACTCAGCCAAATGTCACACACTACTTGTCCCATGA	540
Sbjct	1083	AGCATGTGCAGCATGTAATGTCCACACTCAGCCAAATGTCACACACTACTTGTCCCATGA	1024
Query	541	TCCAAGTCTCCTTTACAATGTAACAATGCTGAAGGGCATCACTAGGACTGCCACAAGGA	600
Sbjct	1023	TCCAAGTCTCCTTTACAATGTAACAATGCTGAAGGGCATCACTAGGACTGCCACAAGGA	964
Query	601	AATCAGTCACTGCAAGAGAGCAGATCAAATAGTTGGCGGGTGGTGGAGTTTCTGGTCA	660
Sbjct	963	AATCAGTCACTGCAAGAGAGCAGATCAAATAGTTGGCGGGTGGTGGAGTTTCTGGTCA	904
Query	661	CAATTATTGCAGTCATCACCAGAGAATTGATGGCTGTTGTCATTAGCGCAAGCACAGACA	720
Sbjct	903	CAATTATTGCAGTCATCACCAGAGAATTGATGGCTGTTGTCATTAGCGCAAGCACAGACA	844
Query	721	GGGTAATGGA	730
Sbjct	843	GGGTAATGGA	834

5-HTR2A

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 2A (HTR2A), transcript variant X1, mRNA
Sequence ID: XM_046908587.1 Length: 3116
Range 1: 1620 to 2350

Score:1351 bits(731), Expect:0.0,
Identities:731/731(100%), Gaps:0/731(0%), Strand: Plus/Plus

Query	1	GTGTTTAAGAAAGGCCACTGCCTCCTTGCAGATGAGAATTTTGTCTAATAGGCTCCTTT	60
Sbjct	1620	GTGTTTAAGAAAGGCCACTGCCTCCTTGCAGATGAGAATTTTGTCTAATAGGCTCCTTT	1679
Query	61	GCAGCATTCTTCATCCCTCTAACCATCATGGTGGTCACTTATTTTTAACTATCAGGTCC	120
Sbjct	1680	GCAGCATTCTTCATCCCTCTAACCATCATGGTGGTCACTTATTTTTAACTATCAGGTCC	1739
Query	121	CTGCAGAAAGAAGCCATGCTGTGCGTGAATGACATTGGCCCAAAGACCAAGTTGCCTCT	180
Sbjct	1740	CTGCAGAAAGAAGCCATGCTGTGCGTGAATGACATTGGCCCAAAGACCAAGTTGCCTCT	1799
Query	181	TTTAGTTTCCTCCCTCAGAGCTCCCTTCTTCAGAGAAACTCTTCAGCGCTCTTTGAAC	240
Sbjct	1800	TTTAGTTTCCTCCCTCAGAGCTCCCTTCTTCAGAGAAACTCTTCAGCGCTCTTTGAAC	1859
Query	241	AGGGACATGGGGACCTCCGGGAGGAGAACCATGCAATCCATCAGCAATGAGCAGAAAGCT	300
Sbjct	1860	AGGGACATGGGGACCTCCGGGAGGAGAACCATGCAATCCATCAGCAATGAGCAGAAAGCT	1919
Query	301	TCCAAGGTCCTTGGCATTGTCTTCTTTCTGTTTGTGTGATGTGGTGCCCGTTTTTCATC	360
Sbjct	1920	TCCAAGGTCCTTGGCATTGTCTTCTTTCTGTTTGTGTGATGTGGTGCCCGTTTTTCATC	1979
Query	361	ACCAATGTGATGGCTGTAATTTGTAAGGAGTCATGCAACGAAGAAGTCATTGGTGGGCTA	420
Sbjct	1980	ACCAATGTGATGGCTGTAATTTGTAAGGAGTCATGCAACGAAGAAGTCATTGGTGGGCTA	2039
Query	421	CTTAACATATTGTTTGGATTGGGTACCTTTCTTCAGCCGTCAATCCACTCGTATATACG	480
Sbjct	2040	CTTAACATATTGTTTGGATTGGGTACCTTTCTTCAGCCGTCAATCCACTCGTATATACG	2099
Query	481	TTGTTCAATAAGACCTACCGCTCAGCTTTCTCTCGCTACATTCAGTGTCGCTACAAGGAG	540
Sbjct	2100	TTGTTCAATAAGACCTACCGCTCAGCTTTCTCTCGCTACATTCAGTGTCGCTACAAGGAG	2159
Query	541	GAGAAGAAACCTTTCCAGCTGATTTTAGTGAATACTATCCCAGCGCTTGCGTATAATTCT	600
Sbjct	2160	GAGAAGAAACCTTTCCAGCTGATTTTAGTGAATACTATCCCAGCGCTTGCGTATAATTCT	2219
Query	601	AGCCAGCTCCACCTGGCTCAAATGAAGAGCTTGAAAAAGAGGCAAAATTGATGAGTAAG	660
Sbjct	2220	AGCCAGCTCCACCTGGCTCAAATGAAGAGCTTGAAAAAGAGGCAAAATTGATGAGTAAG	2279
Query	661	GATTATTCGATGGTCACGATAGGAATACGCCATATGGATGGTACCTCAAAGGGAAGCATC	720
Sbjct	2280	GATTATTCGATGGTCACGATAGGAATACGCCATATGGATGGTACCTCAAAGGGAAGCATC	2339
Query	721	AGTCCAGGGAA	731
Sbjct	2340	AGTCCAGGGAA	2350

5-HTR2B

>Gallus gallus 5-hydroxytryptamine receptor 2B (HTR2B), transcript variant 2, mRNA
Sequence ID: NM_001397883.1 Length: 2670
Range 1: 1048 to 1807

Score:1393 bits(754), Expect:0.0,
Identities:758/760(99%), Gaps:0/760(0%), Strand: Plus/Minus

Query	1	CTTTTCTGGTGAGCAGGCAGGTGTGGCGTCGCGCTGAAATACTGTGGACACTGTCGACCA	60
Sbjct	1807	CTTTTCTGGTGAGCAGGCAGGTGTGGCGTCGCGCTGAAATACTGTGGACACTGTCGACCA	1748
Query	61	AGTGAAACGTTGAGGTGGCTTGTGATCAAATAGGCCTTCTTGCGTAGCACTTGAATTGT	120
Sbjct	1747	AGTGAAACGTTGAGGTGGCTTGTGATCAAATAGGCCTTCTTGCGTAGCACTTGAATTGT	1688
Query	121	CAGAAAGTAAGTGACTATCATGATAGCAAGGGGAATGAAGAACGCAGCCACTGATCCATA	180
Sbjct	1687	CAGAAAGTAAGTGACTATCATGATAGCAAGGGGAATGAAGAACGCAGCCACTGATCCATA	1628
Query	181	GAGAATGAAGTCATGAAAGCGATCAGGCGTCAGAAGACACGTGATATTTGTAGAGTTGCC	240
Sbjct	1627	GAGAATGAAGTCATGAAAGCGATCAGGCGTCAGAAGACACGTGATATTTGTAGAGTTGCC	1568
Query	241	ATTTCCATCTTCAATTCCTCTGATAGGGACTGGAATAGCAATGCCTATTGAAATGAGCCA	300
Sbjct	1567	ATTTCCATCTTCAATTCCTCTGATAGGGACTGGAATAGCAATGCCTATTGAAATGAGCCA	1508
Query	301	AACAATGATGATTTTGATGATTGTTGTAGCCCATGAGTTGTACTGGCTGGCCTGGATTGG	360
Sbjct	1507	AACAATGATGATTTTGATGATTGTTGTAGCCCATGAGTTGTACTGGCTGGCCTGGATTGG	1448
Query	361	CTTTTAAATGGCAATATAGCGGTCTAGTGAGATGGCACAGAGGTGCATGATGGAAGCTGT	420
Sbjct	1447	CTTTTAAATGGCAATATAGCGGTCTAGTGAGATGGCACAGAGGTGCATGATGGAAGCTGT	1388
Query	421	GGAGAAGAGGACATCAAGGAGCAGCCAAATGGGACACAAGGCAGTTGGAAAAGGCCAGGC	480
Sbjct	1387	GGAGAAGAGGACATCAAGGAACAGCCAAATGGGACACAAGGCAGTTGGAAAAGGCCAGGC	1328
Query	481	GTTGTCAAAGAGTATTATGAGAAGGGCAATCGGCATCACAAACAGCCCCACGAGCAAATC	540
Sbjct	1327	GTTGTCAAAGAGTATTATGAGAAGGGCAATCGGCATCACAAACAGCCCCACGAGCAAATC	1268
Query	541	TGCCACCGCCAGGGATGTAAAAAGTAATTGGTGGCATATTGCACTTTTCTCCAGAGA	600
Sbjct	1267	TGCCACCGCCAGGGATGTAAAAAGTAGTTGGTGGCATATTGCACTTTTCTCCAGAGA	1208
Query	601	TACCGCCAGGATGACCAGGATGTTCCACCGATGGTGGGGATGATCACCAGCAGGATCAG	660
Sbjct	1207	TACCGCCAGGATGACCAGGATGTTCCACCGATGGTGGGGATGATCACCAGCAGGATCAG	1148
Query	661	CAGCGCTGCCAGCGCACTTTGTTTCCTTGCTCATCGTTTGGGTAGTTCTCTTTGGGTTC	720
Sbjct	1147	CAGCGCTGCCAGCGCACTTTGTTTCCTTGCTCATCGTTTGGGTAGTTCTCTTTGGGTTC	1088
Query	721	TGCTACCGAGAGAGGTGACAAAGATCCATTGCCAGCTCCA	760
Sbjct	1087	TGCTACCGAGAGAGGTGACAAAGATCCATTGCCAGCTCCA	1048

5-HTR2C

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 2C (HTR2C), transcript variant X10, mRNA
Sequence ID: XM_046916516.1 Length: 4057
Range 1: 523 to 1283

Score:1400 bits(758), Expect:0.0,
Identities:760/761(99%), Gaps:0/761(0%), Strand: Plus/Minus

Query	1	TCCATTGACCAACGCTTACATTTTATACAATATATTTGGCCACAGATAGCTCGTAGCC	60
Sbjct	1283	TCCATTGACCAACGCTTACATTTTATACAATATATTTGGCCACAGATAGCTCGTAGCC	1224
Query	61	AAAGGCTGCGTGAGCCGCCTTTACACACAGCTCACTCTCTCGCTCACAACATTACAGCTG	120
Sbjct	1223	AAAGGCTGCGTGAGCCGCCTTTACACACAGCTCACTCTCTCGCTCACAACATTACAGCTG	1164
Query	121	TTTATGGAGAGCTCTGAAGTCCCTGGTTGCATTTCAAGGCCCTCCTCAGCTTCATCTAGT	180
Sbjct	1163	TTTATGGAGAGCTCTGAAGTCCCTGGTTGCATTTCAAGGCCCTCCTCAGCTTCATCTAGT	1104
Query	181	TCCATGCTGTTGAGTTCATTGCCATTTGATAACTAGTTAAAGTCAGATCCTTCCCGTAT	240
Sbjct	1103	TCCATGCTGTTGAGTTCATTGCCATTTGATAACTAGTTAAAGTCAGATCCTTCCCGTAT	1044
Query	241	AAAGCTGTTGAAGCAACATTACAGACTGATTCTGTCGCAGTGCTGATTTTTTGCTGGTC	300
Sbjct	1043	AAAGCTGTTGAAGCAACATTACAGACTGATTCTGTCGCAGTGCTGATTTTTTGCTGGTC	984
Query	301	TTGTATTGGCAGCGGATATAACTGGAGAAAGCCCTGCGATAGGTTTTATTGAAGAGTGTG	360
Sbjct	983	TTGTATTGGCAGCGGATATAACTGGAGAAAGCCCTGCGATAGGTTTTATTGAAGAGTGTG	924
Query	361	TATACGAGGGGATTAACCCCTGAGCAAACATACCCACCCAAACAAACACGTCGAGGAGT	420
Sbjct	923	TATACGAGGGGATTAACCCCTGAGCAAACATACCCACCCAAACAAACACGTCGAGGAGT	864
Query	421	TCGCTCAACAGGTCTTTATCGCAGGCTTCCTTGCAAAGGACGGACATGACGTTAGTGATG	480
Sbjct	863	TCGCTCAACAGGTCTTTATCGCAGGCTTCCTTGCAAAGGACGGACATGACGTTAGTGATG	804
Query	481	AAAAATGGGCACCACATGATGAGAAACAAAAGAAGACGATGCCAGGACCTTGAGGGCT	540
Sbjct	803	AAAAATGGGCACCACATGATGAGAAACAAAAGAAGACGATGCCAGGACCTTGAGGGCT	744
Query	541	CTTCGCTCGTTGTTGATGGACTGCATAGTTCCTTTCCGAAAAAGCACTGCCTCCTTACTT	600
Sbjct	743	CTTCGCTCGTTGTTGATGGACTGCATAGTTCCTTTCCGAAAAAGCACTGCCTCCTTACTT	684
Query	601	ACAGGAGAGTTCAAATGCGATGCCCCCTCGTGATTGTGAAGCATCGAGATGTGCTCTGTG	660
Sbjct	683	ACAGGAGAGTTCAAATGCGATGCCCCCTCGTGATTGTGAAGCATCGAGATGTGCTCTGTG	624
Query	661	TTGTTTTCTTCTTGAGGCAGTTCACGCTGCTCCTCCTCTGCTTGGGCACCTCTCCACAC	720
Sbjct	623	TTGTTTTCTTCTTGAGGCAGTTCACGCTGCTCCTCCTCTGCTTGGGCACCTCTCCACAC	564
Query	721	ATGAACACCGTGGCCTGTCTCTGTAGCACCTGGACAGTCAG	761
Sbjct	563	ATGAACACCGTGGCCTGTCTCTGTAGCACCTGGACAGTCAG	523

5-HTR3A

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 3A (HTR3A), transcript variant X2, partial mRNA
Sequence ID: XM_040690408.2 Length: 7364
Range 1: 335 to 1070

Score:1321 bits(715), Expect:0.0,
Identities:729/736(99%), Gaps:0/736(0%), Strand: Plus/Minus

Query	1	CCGTAGTGGTTCAGTTTGGCTGTGCTGTCATTGTTCTCCACGTGCCTGGAGATGTCTGAG	60
Sbjct	1070	CCGTAGTGGTTCAGTTTGGCTGTGCTGTCATTGTTCTCCACGTGCCTGGAGATGTCTGAG	1011
Query	61	CTTTGTGTTCTGCTTTGGCTGAATTTCTTCTGTCCCAGATGCAGAGCAGTGCAATGGCA	120
Sbjct	1010	CTCTGTGTTCTGCTTTGGCTGAATTTCTTCTGTCCCAGATGCAGAGCAGTGCAATGGCA	951
Query	121	CGTTCACGACGTAAGTGCTTACCCAGCTGGGGACGTGAGGCTGCAGGTCTTGCTTGTGT	180
Sbjct	950	CGTTCACGACGTAAGTGCTTACCCAGCTGGGGACGTGAGGCTGCAGGTCTTGCTTGTGT	891
Query	181	ACGAGGCGCACAAATGAAGATGGTCTCTGTGAGGCTGTTGACGAGCAACGCCATGCACACC	240
Sbjct	890	ACGAGGCGCACAAATGAAGATGGTCTCTGTGAGGCTGATGACGAGCAACGCCATGCACACC	831
Query	241	ACAAAATAGATGCCTATCAGTGGGGTGCCAAACAGCAGTAGCTGGAAGCGTGTGAGATACG	300
Sbjct	830	ACAAAATAGATGCCTATCAGTGGGGTGCCAAACAGCAGTAGCTGGAAGCGTGTGAGATACG	771
Query	301	ATGATGAGGAAAACTGAGTAGCCAGGAGGAGAGTGATCTTGAAAGAGACCCTCTCACCA	360
Sbjct	770	ATGATGAGGAAAACTGAGTAGCCAGGAGGAGAGTGATCTTGAAAGAGACCCTCTCGCCA	711
Query	361	CTGTTGGGAGGCAGGTAGAAGCCTACAATGTCCATCACCATCAAGAAGATACTAGGGAGC	420
Sbjct	710	CTGTTGGGAGGCAGGTAGAAGCCTACAATGTCCATCACCATCAAGAAGATACTAGGGAGC	651
Query	421	AGCAGGTTGATGGTATAGAAGAGAGGACGCCTCCGGATGACAACTAGAACTTCATCTCG	480
Sbjct	650	AGCAGGTTGATGGTATAGAAGAGAGGACGCCTCCGGATGACAACTAGAACTTCATCTCG	591
Query	481	GCGTAGCTGTGCTGCTTTTGACGCTGAACTCCTGGAAGTGGCTGAGCACGTACAGCAGC	540
Sbjct	590	GCGTAGCTGTGCTGCTTTTGACGCTGAACTCCTGGAAGTGGCTGAGCACGTACAGCAGC	531
Query	541	TCCCACTCGCCCTGGCTCATGAAGACGCTCCTGTGCAATTTACCAGCTCCGGCTGCCGC	600
Sbjct	530	TCCCACTCGCCCTGGTTTCATGAAGACGCTCCTGTGCAATTTACCAGCTCCGGCTGCCGC	471
Query	601	CACAGCGAGAGGTTGATGTCGTGGATGTTGTGCAGCCAGCTGGTGAAGGTAAGCGAGCAG	660
Sbjct	470	CACAGCGAGAGGTTGATGTCGTGGATGTTGTGCAGCCAGCTGGTGAAGGTAAGCGAGCAG	411
Query	661	TTCTGAACGTCGAAGGGGAAATTGTAGATGTCCAAGCTGCAGGCTGTCACCACTTGGATG	720
Sbjct	410	TTCTGAACGTCGAAGGGGAAATTGTAGATGTCCAAGCTGCAGGCTGTCACCACTTGGATG	351
Query	721	GGCTTGAGGTTCTGGA	736
Sbjct	350	GGCTTGAGGTTCTGGA	335

5-HTR4

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 4 (HTR4), transcript variant X5, mRNA
Sequence ID: XM_040682639.2 Length: 8603
Range 1: 234 to 990

Score:1376 bits(745), Expect:0.0,
Identities:753/757(99%), Gaps:0/757(0%), Strand: Plus/Minus

Query	1	GTCTTGGCAGCTTTGGTCTCGGTCTTCATGCGATGAGTGCTGTGCTGGTCAGGCTGGTGC	60
Sbjct	990	GTCTTGGCAGCTTTGGTCTCGGTCTTCATGCGATGCGTGCTGTGCTGGTCAGGCTGGTGC	931
Query	61	CTGCTGTCAAGAGGGGTCCCTGCGCGCTGCAGCACCGGATCTGCCGGGCGTGCTCCCGG	120
Sbjct	930	CTGCTGTCAAGAGGGGTCCCTGCGCGCTGCAGCACCGGATCTGCCGGGCGTGCTCCCGG	871
Query	121	GCGGTGACGTAGATGCGATAATAGGCCAGCACCATCAGCAGGAAGGAAAGTAGAAGGCC	180
Sbjct	870	GCGGTGACGTAGATGCGATAATAGGCCAGCACCATCAGCAGGAAGGAAAGTAGAAGGCC	811
Query	181	ACCACAGAGCAGGTAATGGCATATGGCTTGTTGACCATGAATATGCAGTACGTGGAGTTG	240
Sbjct	810	ACCACAGAGCAGGTAATGGCATATGGCTTGTTGACCATGAATATGCAGTACGTGGAGTTG	751
Query	241	GAAGCCTTGTTGAACTGCCTTTGCTGAATCAAATCAATGATGCCAATGCTATTCCAGCCT	300
Sbjct	750	GAAGCCTTGTTGAACTGCCTTTGCTGAATCAAATCAATGATGCCAATGCTATTCCAGCCT	691
Query	301	TGCATGATAGGGAGGAAAGAAATAAATGTGCGGATTACCCAGCAGCCTCCAAGCATTACA	360
Sbjct	690	TGCATGATAGGGAGGAAAGAAATAAATGTGCGGATTACCCAGCAGCCTCCAAGCATTACA	631
Query	361	GCAATACGCAGCGGAGTCATCTTGTTCTGTACACAGTGGCTGGCAACAGATAGCGTAG	420
Sbjct	630	GCAATACGCAGTGGAGTCATCTTGTTCTGTACACAGTGGCTGGCAACAGATAGCGTAG	571
Query	421	TACCTGTCCAGTGATATGCAGCACAGGTGCAGGATCGATGCTGTGGTGAGCAAGACATCG	480
Sbjct	570	TACCTGTCCAGTGATATGCAGCACAGGTGCAGGATCGATGCTGTGGTGAGCAAGACATCG	511
Query	481	AGGGATGTTTCGGACGAGGCAGAACATCTCCCATAGATCCAGTTGCTGGACCAACTCA	540
Sbjct	510	AGGGATGTTTCGGACGAGGCAGAACATCTCCCATAGATCCAGTTGCTGGACCAACTCA	451
Query	541	ATGGCTCCAAACGGCATCACCAGTACTGACACCAGCAGGTCCGCGAAGGCAAGAGAAACG	600
Sbjct	450	ATGGCTCCAAACGGCATCACCAGTACTGACACCAGCAGGTCCGCGAAGGCAAGAGAAACG	391
Query	601	ATGAAATAATTGGTCTTGATTTTCTGAGCTGCCTGTCCCGGCACACAGCCACCATCACC	660
Sbjct	390	ATGAAATAATTGGTCTTGATTTTCTGAGCTGCCTGTCCCGGCACACAGCCACCATCACC	331
Query	661	AACAGGTTCCCGAGGATGGCCATCAGGATAACTGCGGAGATGAAGGTGAGCAGTACGATC	720
Sbjct	330	AACAGGTTCCCGAGGATGGCCATCAGGATAACTGCAGAGATGAAGGTGAGCAGTACGATC	271
Query	721	TTCTCTGCTACGCCGAAGCCCTCACTCGAACTCCCAT	757
Sbjct	270	TTCTCTGCTACGCCGAAGCCCTCACTCGAACTCACAT	234

5-HTR5A

>PREDICTED: Gallus gallus 5-hydroxytryptamine receptor 5A (HTR5A), mRNA
Sequence ID: XM_040665750.2 Length: 4907
Range 1: 169 to 900

Score:1347 bits(729), Expect:0.0,
Identities:731/732(99%), Gaps:0/732(0%), Strand: Plus/Plus

Query	1	AGTAATCGGAGCGGGTCATCCAGCGGGCTGGAGGGTGGCAGGGCACAGCTCTCCGTCTTC	60
Sbjct	169	AGTAATCGGAGCGGGTCATCCAGCGGGCTGGAGGGTGGCAGGGCACAGCTCTCCGTCTTC	228
Query	61	AGTGTTCCTTGCTCACCCTCCTGGCCATGCTGGTGGTGGCCACTTTCCTGTGGAACGGC	120
Sbjct	229	AGTGTTCCTTGCTCACCCTCCTGGCCATGCTGGTGGTGGCCACTTTCCTGTGGAACGGC	288
Query	121	TTGGTCCTGGCCACCATCTTCGCGTGCGCACGTTTCATCGGGTGCCTCACAACCTGGTG	180
Sbjct	289	TTGGTCCTGGCCACCATCTTCGCGTGCGCACGTTTCATCGGGTGCCTCACAACCTGGTG	348
Query	181	GCATCCATGGCCATCTCCGACGTGATGGTGGCCGCCCTCGTCATGCCCCTGAGCTTGGTG	240
Sbjct	349	GCATCCATGGCCATCTCCGACGTGATGGTGGCCGCCCTCGTCATGCCCCTGAGCTTGGTG	408
Query	241	CACGAGTTGTGGGGCGGAGGTGGCGGCTGGGTCGGTCTCTGTGCCAGGTGTGGATCTCC	300
Sbjct	409	CACGAGTTGTGGGGCGGAGGTGGCGGCTGGGTCGGTCTCTGTGCCAGGTGTGGATCTCC	468
Query	301	TTCGATGTCCTGTGCTGCACTGCCAGCATCTGGAACGTCACTGCCATGCCCCTCGACCGC	360
Sbjct	469	TTCGATGTCCTGTGCTGCACTGCCAGCATCTGGAACGTCACTGCCATGCCCCTCGACCGC	528
Query	361	TACTGGTCCATCACCGGCACCTGGAATACACGCTGCGCACCCGACGCCGTATCTCCAAC	420
Sbjct	529	TACTGGTCCATCACCGGCACCTGGAATACACGCTGCGCACCCGACGCCGTATCTCCAAC	588
Query	421	ATCATGATTGCGCTCACCTGGGTGCTCTCTGCCTTCATCTCTCTGGCCCCGCTGCTCTTT	480
Sbjct	589	ATCATGATTGCGCTCACCTGGGTGCTCTCTGCCTTCATCTCTCTGGCCCCGCTGCTCTTT	648
Query	481	GGCTGGGGAGAGACTTATTACAGGACAGTGAGGAGTGCCAGGTAAAGCCAGGAGCCTTCC	540
Sbjct	649	GGCTGGGGAGAGACTTATTACAGGACAGTGAGGAGTGCCAGGTAAAGCCAGGAGCCTTCC	708
Query	541	TACACCATCTTCTCCACCTTCGGGGCCTTCTACCTGCCCTATGTGTGGTGCTGTTTGTG	600
Sbjct	709	TACACCATCTTCTCCACCTTCGGGGCCTTCTACCTGCCCTATGTGTGGTGCTGTTTGTG	768
Query	601	TACTGGAAGATCTACAAGGCGGCAAGTTTCGCATCGGATCTCGGAAGAGCAACTCCATC	660
Sbjct	769	TACTGGAAGATCTACAAGGCGGCAAGTTTCGCATCGGATCTCGGAAGAGCAACTCCATC	828
Query	661	ACCCCGTCTCTCCAGAAGCCCAGAGATAAAGGAAGCTGCCAGCAGCCACAGATGGTC	720
Sbjct	829	ACCCCGTCTCTCCAGAAGCCCAGAGATAAAGGAAGCTGCCAGCAGCCACAGATGGTC	888
Query	721	TTCAGTGTCCGG	732
Sbjct	889	TTCAGTGTCCGG	900

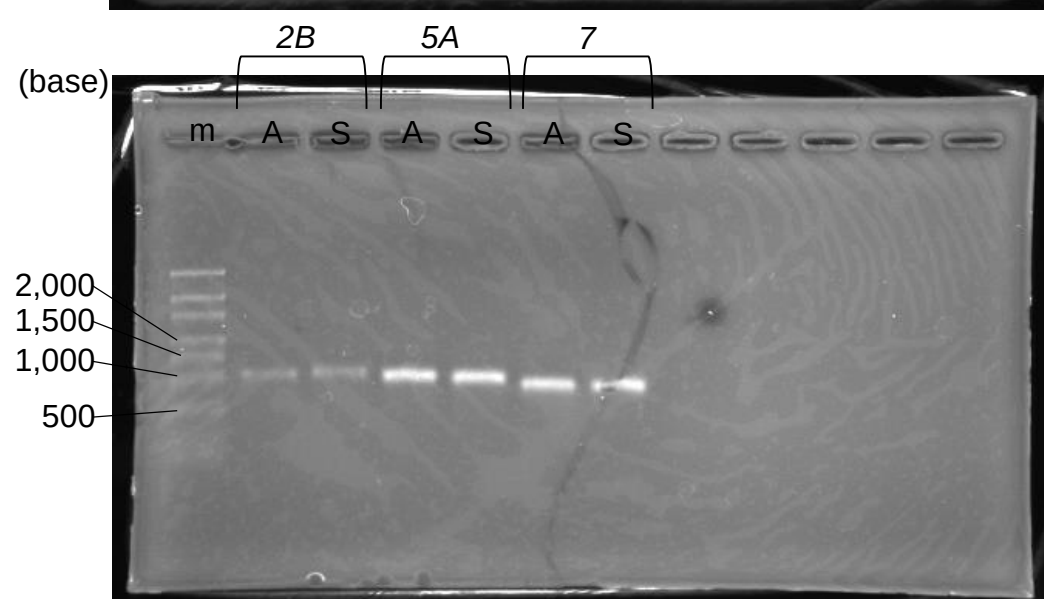
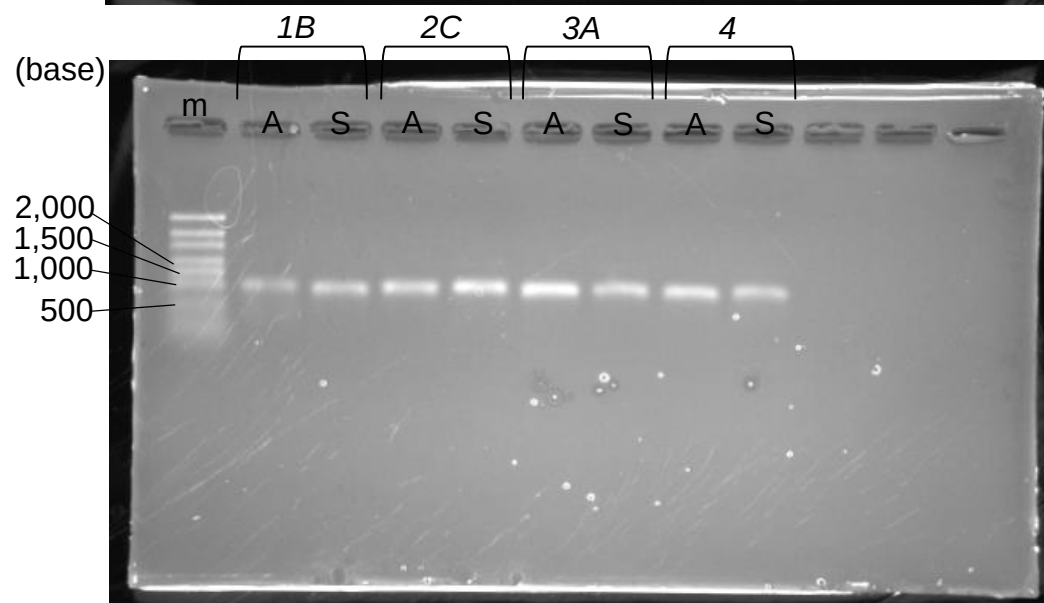
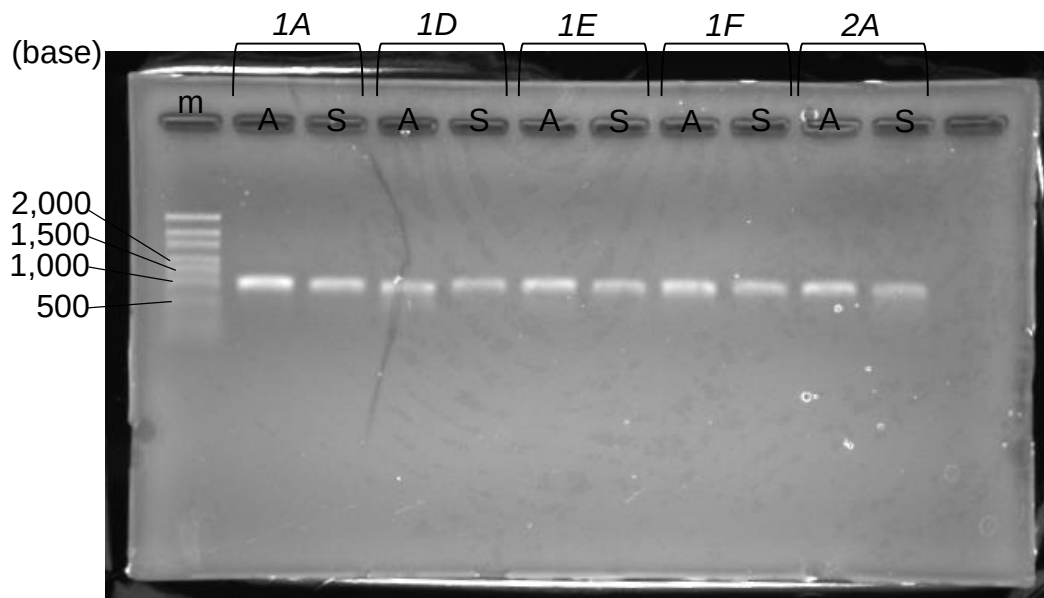
5-HTR7

>Gallus gallus 5-hydroxytryptamine receptor 7 precursor (HTR7) mRNA, complete cds
Sequence ID: GU574812.1 Length: 1396
Range 1: 24 to 623

Score:1098 bits(594), Expect:0.0,
Identities:598/600(99%), Gaps:0/600(0%), Strand: Plus/Plus

Query	1	CAACGGCAGCCACCTCTACGGTAACCTCCGGCCCTTCGCGCTGGAGGAGCCGGGGCGCT	60
Sbjct	24	CAACGGCAGCCACCTCTACGGTAACCTCCGGCCCTTCGCGCTGGAGGAGCCGGGGCGCT	83
Query	61	GAGCGGAGGGAGGATGATCGCCGGCTCGTGGCCCCCGCGCAGCCTGGCCAAGCTCGGCC	120
Sbjct	84	GGGCGGGGGGAGGATGATCGCCGGCTCGTGGCCCCCGCGCAGCCTGGCCAAGCTCGGCC	143
Query	121	GGGAGGCACTCCCCCTCCGCTGCCCGCCGCCAGCCCCGCGCCCGGCAACGACTCGCAATG	180
Sbjct	144	GGGAGGCACTCCCCCTCCGCTGCCCGCCGCCAGCCCCGCGCCCGGCAACGACTCGCAATG	203
Query	181	CGGGGAGCAGATCCTCAGCTACGGCAACGTGGAGAAAGTTGTCATCGGGGCGTGCTCAG	240
Sbjct	204	CGGGGAGCAGATCCTCAGCTACGGCAACGTGGAGAAAGTTGTCATCGGGGCGTGCTCAG	263
Query	241	CCTCATCAGCTGCTGACTGTGCGCGGCAACTGCCTGGTGGTCATCTCCGTCTGCTTCGT	300
Sbjct	264	CCTCATCAGCTGCTGACTGTGCGCGGCAACTGCCTGGTGGTCATCTCCGTCTGCTTCGT	323
Query	301	GAAGAAGCTGCGGCAGCCCTCCAACATCTCATCGTCTCTCTGGCCCTGGCCGACCTCTC	360
Sbjct	324	GAAGAAGCTGCGGCAGCCCTCCAACATCTCATCGTCTCTCTGGCCCTGGCCGACCTCTC	383
Query	361	TGTGGCCCTGGCCGTCATGCCCTTCGTCAAGTGTGACTGATCTCATCGGTGGCGAGTGGAT	420
Sbjct	384	TGTGGCCCTGGCCGTCATGCCCTTCGTCAAGTGTGACTGATCTCATCGGTGGCGAGTGGAT	443
Query	421	CTTCGGGCGCCTTTTCTGCAACGTCTTCATCGCCATGGACGTCATGTGCTGCACGGCCTC	480
Sbjct	444	CTTCGGGCGCCTTTTCTGCAACGTCTTCATCGCCATGGACGTCATGTGCTGCACGGCCTC	503
Query	481	CATCATGACCCTCTGCGTGATCAGCATCGACAGGTACCTTGAATAACAAGACCGCTCAC	540
Sbjct	504	CATCATGACCCTCTGCGTGATCAGCATCGACAGGTACCTTGAATAACAAGACCGCTCAC	563
Query	541	ATATCCTGTGAGGCAGAACGGGAAGTGTATGGCCAAAATGATCCTGTGTGTGGCTCTT	600
Sbjct	564	ATATCCTGTGAGGCAGAACGGGAAGTGTATGGCCAAAATGATCCTGTGTGTGGCTCTT	623

Supplemental Figure 2. Validation of 5-*HTR* subfamily RNA probes used in this study

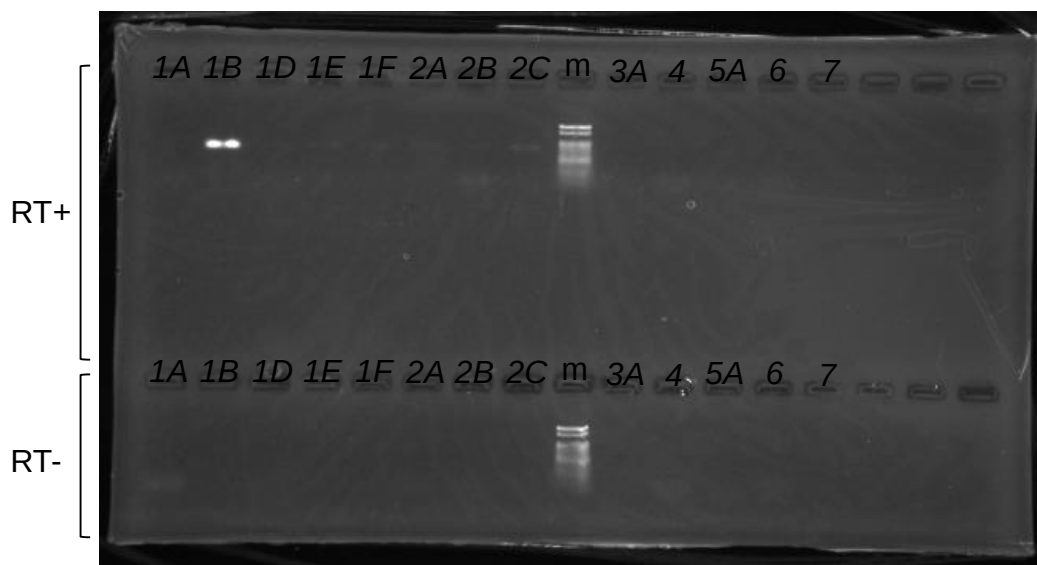


1A: 5-HTR1A; 1B: 5-HTR1B; 1D: 5-HTR1D; 1E: 5-HTR1E; 1F: 5-HTR1F; 2A: 5-HTR2A;
2B: 5-HTR2B; 2C: 5-HTR2C; 3A: 5-HTR3A; 4: 5-HTR4; 5A: 5-HTR5A; 7: 5-HTR7; A:
antisense probe; S: sense probe; m: molecular marker.

Supplemental Figure 3. 5-HTRs expressions in the chick brainstem



Chick #12



1A: 5-HTR1A; 1B: 5-HTR1B; 1D: 5-HTR1D; 1E: 5-HTR1E; 1F: 5-HTR1F; 2A: 5-HTR2A;
2B: 5-HTR2B; 2C: 5-HTR2C; 3A: 5-HTR3A; 4: 5-HTR4; 5A: 5-HTR5A; 7: 5-HTR7; bp:
base pair; m: molecular marker; RT: reverse-transcription

A 3.2