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| Gene  | Sequence |
| Chick/quail/duck *18S* (sense)Chick/quail/duck *18S* (antisense) | 5’- GCGTGTGCCTACCCTACGCC -3’5’- ACGCAAGCTTATGGCCCGCA -3’ |
| Chick/quail/duck *Tgfβ1* (sense)Chick/quail/duck *Tgfβ1* (antisense) | 5’- TCATGACATGAACCGGCC -3’5’- AGTCAATGTACAGCTGCC -3’ |
| Chick/quail/duck *Tgfβ3* (sense)Chick/quail/duck *Tgfβ3* (antisense) | 5’- AATGCACTGCTATCTCCTG -3’5’- CTTCAGCTTGCTCAGGATC -3’ |
| Chick/quail/duck *Tgfβr1* (sense)Chick/quail/duck *Tgfβr1* (antisense) | 5’- GTACATGGCACCTGAAGTTC -3’5’- GGCAACTGGTAATCTTCATG -3’ |
| Chick/quail/duck *Smad2* (sense)Chick/quail/duck *Smad2* (antisense) | 5’- TTGCTGCTCTTCTGGCTC -3’5’- TGAAGTTCAATCCAGCAAGG -3’ |
| Chick/quail *Runx2* *full length* (sense)Duck *Runx2* *full length* (sense)Chick/quail/duck *Runx2 full length* (antisense) | 5’- GCTGTGATGAAGAACCAGGT -3’5’- GCCGTGATGAGGAACCAGGT -3’5’- TGGTATGTAGCGACTTGGGG -3’ |
| Chick/quail/duck *Mmp13* (sense)Chick/quail/duck *Mmp13* (antisense) | 5’- TTGGCTTGGAGGTGACAG -3’5’- GAACATCAGTGCTCCAGG -3’ |
| Chick/quail/duck *Tgfβ2* (sense)Chick/quail/duck *Tgfβ2* (antisense) | 5’- AATGCACTGCTATCTCCTG -3’5’- CTTCAGCTTGCTCAGGATC -3’ |
| Chick/quail/duck *Acvrl1* (sense)Chick/quail/duck *Acvrl1* (antisense) | 5’- GTGAGACCGAGATCTACAAC -3’5’- TCTGCAGGTAGTCGTAGAG -3’ |
| Chick/quail/duck *Tgfβr2* (sense)Chick/quail/duck *Tgfβr2* (antisense) | 5’- CTCACAAGAAGAGGAAGCTC -3’5’- CTGTGTTGTGGTTGATGTTG -3’ |
| Chick/quail/duck *Tgfβr3* (sense)Chick/quail/duck *Tgfβr3* (antisense) | 5’- ATGTGGATATGATCTTGGCC -3’5’- AGAGTGTCCAGGCCATAG -3’ |
| Chick/quail/duck *Smad3* (sense)Chick/quail/duck *Smad3* (antisense) | 5’- CCTATGTCTCCAGCACAC -3’5’- AAGCCATCCACGGTCATG -3’ |
| Chick/quail/duck *Pai1* (sense)Chick/quail/duck *Pai1* (antisense) | 5’- TAGTGGCAGCGATAGATCC -3’5’- ATCAGCAGGCGGATGTTC -3’ |
| Chick/quail/duck *Mmp2* (sense)Chick/quail/duck *Mmp2* (antisense) | 5’- GATGATGACCGCAAGTGG -3’5’- GGAAGTTCTTGGTGTAGGTG -3’ |
| Chick/quail/duck *Mmp9* (sense)Chick/quail/duck *Mmp9* (antisense) | 5’- GACACCGACAAGAAGTGG -3’5’- GAAGTCCTGGACGTAGCTG -3’ |
| Chick *Runx2* *promoter 1* (sense)Quail/duck *Runx2* *promoter 1* (sense)Chick/quail *Runx2 promoter 1 (*antisense)Duck *Runx2* *promoter 1* (antisense) | 5’- CGACAGGAACTATGGCATCA -3’5’- CGAGAGGGACTATGGCATCA -3’5’- CTGTTGGGCCACTACGACC -3’5’- CTGTTGGGCTACTACGACC -3’ |
| Chick/quail/duck *Runx2 promoter 2* (sense)Chick/quail *Runx2 promoter 2 (*antisense)Duck *Runx2 promoter 2* (antisense) | 5′- TTGTGGCTGTTGTGATGCG -3′ 5′- CTGTTGGGCCACTACGACC -3′5’- CTGTTGGGCTACTACGACC -3’ |
| Chick/quail/duck *Runx2 exon 5* (sense)Chick/quail/duck *Runx2 exon 5 (*antisense) | 5′- GTCGCTACATACCACAGAGC -3′ 5′- TCGGGACCCCTACTCTCATA -3′ |
| Chick/quail/duck *Runx2 exon 4,6* (sense)Chick *Runx2* *exon 4,6* (antisense)Quail/duck *Runx2 exon 4,6 (*antisense) | 5′- GTCGCTACATACCACAGAGC -3′ 5′- GGAAGTCCTGTGCCTCGG -3′5′- GGAAGTCCTGTGCCTCGA -3′ |
| Chick/quail/duck *Runx2 c-terminus 1* (sense)Chick/quail/duck *Runx2 c-terminus 1* (antisense) | 5′- GACTTCCAGCCATCACCGA -3′ 5′- AGTGAGTGGTTGCGGACATA -3′ |
| Chick/quail/duck *Runx2 c-terminus 2* (sense)Chick/quail *Runx2 c-terminus 2* (antisense)Duck *Runx2* *c-terminus 2* (antisense) | 5′- GACTTCCAGCCATCACCGA -3′ 5′- GAAGTTGGTGGAGAAGTGGC -3′5′- GAAGTTGGTGGTGAAGTGGC -3′ |
| Chick/quail/duck *Ocn (sense)*Chick/quail/duck *Ocn (antisense)* | 5′- TCACATTCAGCCTCTGCCG -3′ 5′- GCTCACACACCTCTCGTTGG -3′ |
| Chick/quail *Col1a1* (sense)Duck *Col1a1* (sense)Chick/quail *Col1a1* (antisense)Duck *Col1a1* (antisense) | 5′- AGAACAGCGTCGCCTACATG -3′ 5′- TGCCTTCATCTGGTGCTCAC -3′5′- CTCCAGTGTGACTCGTGCAG -3′5′- GTGTCCTGGTCCATGTAGGC -3′ |
| Chick/quail/duck *Alp (sense)*Chick/quail/duck *Alp* (antisense) | 5′- TCCACCAGCAGGAAGAAG -3′ 5′- GGATATGGTGTATGAGCTGG -3′ |
| Chick *Mmp13* *full length* *(sense)*Chick *Mmp13* *full length* (antisense) | 5′- ATGCAACCCAGACTTTCAGC -3′ 5′- GGTAGTCAGTGCTTGTTCGC -3′  |
| Duck *Mmp13* *full length* *(sense)*Duck *Mmp13* *full length* (antisense) | 5′- TCAGGGCTTCAGACTTCACA -3′ 5′- AGCCTGCAACATGTCATTCA -3′  |
| Quail *Mmp13* *full length* *(sense)*Quail *Mmp13* *full length* (antisense) | 5′- ACACATCAGGGCTTCAGACT -3′ 5′- TGCAGCTTGTAACATGGCAC -3′  |
| Chick pTet *Mmp13* *(sense)*Quail pTet *Mmp13 (sense)*Chick/quail pTet *Mmp13* (antisense)Duck pTet *Mmp13 (sense)*Duck pTet *Mmp13* (antisense) | 5′-ACCCTCGTAAAGCCGCCACCATGCAACCCAGACTTTCAGC -3′ 5′-ACCCTCGTAAAGCCGCCACCATGCAACCAAGACTTTCAGC -3′5′-GCCGCTTCACTTGTACTGCATCAGCACCAAAATAAGGAGT -3′5′-ACCCTCGTAAAGCCGCCACCATGATGCAGTCAAGGCTTTC -3′5′- GCCGCTTCACTTGTACTGCATCAGCACCAAAAT­­­­­ATGGAGT -3′ |