

## CLUSTAL 2.1 Multiple Sequence Alignments

Sequence type explicitly set to Protein

Sequence format is Pearson

Sequence 1: Human	821 aa
Sequence 2: Mouse	840 aa
Sequence 3: Fly	729 aa
Sequence 4: Chicken	823 aa
Sequence 5: Dog	707 aa
Sequence 6: Bovine	839 aa
Sequence 7: Zebrafish	815 aa

Start of Pairwise alignments

Aligning...

Sequences (1:2) Aligned. Score: 97

Sequences (1:3) Aligned. Score: 36

Sequences (1:4) Aligned. Score: 92

Sequences (1:5) Aligned. Score: 94

Sequences (1:6) Aligned. Score: 93

Sequences (1:7) Aligned. Score: 77

Sequences (2:3) Aligned. Score: 36

Sequences (2:4) Aligned. Score: 91

Sequences (2:5) Aligned. Score: 94

Sequences (2:6) Aligned. Score: 92

Sequences (2:7) Aligned. Score: 78

Sequences (3:4) Aligned. Score: 36

Sequences (3:5) Aligned. Score: 36

Sequences (3:6) Aligned. Score: 34

Sequences (3:7) Aligned. Score: 34

Sequences (4:5) Aligned. Score: 90

Sequences (4:6) Aligned. Score: 88

Sequences (4:7) Aligned. Score: 78

Sequences (5:6) Aligned. Score: 97

Sequences (5:7) Aligned. Score: 78

Sequences (6:7) Aligned. Score: 74

Guide tree file created: [clustalw2-I20120216-210626-0123-37286998-oy.dnd]

There are 6 groups

Start of Multiple Alignment

Aligning...

Group 1: Sequences:	2	Score:17772
Group 2: Sequences:	2	Score:15195
Group 3: Sequences:	4	Score:16244
Group 4: Sequences:	5	Score:16162
Group 5: Sequences:	6	Score:15133
Group 6: Sequences:	7	Score:10090

Alignment Score 74373

CLUSTAL-Alignment file created [clustalw2-I20120216-210626-0123-37286998-  
oy.aln]