



Report of Deliverable No: ___6.2___

Grant agreement number 200800

Dissemination Level (please tick)

PU = Public

PP = Restricted to other programme participants (including the Commission Services).

RE = Restricted to a group specified by the consortium (including the Commission Services).

CO = Confidential, only for members of the consortium (including the Commission Services).

Deliverable 6.2 morpholino efficiently downregulating expression of selected genes due month 18

Morpholino sequences have been designed and produced that inactivate zebrafish Smoc2 gene that has been selected by the Consortium and associated with OA

Oligo sequence written from 5' to 3' and complementary to translation-blocking target Smoc2:
CGCATCCTCGCAGCTCCCCAGAAGC

Oligo sequence written from 5' to 3' and complementary to splice donor-acceptor target Smoc2:
AAGGTGTTGTGACCCACCGTGAGCG

The deliverable 6.2 **has been delivered on time before month 18**. The consortium has identified however novel genes potentially associated with OA. Therefore the deliverable 6.2 has been modified and expanded. The following morpholino sequences have been added:

Oligo sequence written from 5' to 3' and complementary to translation-blocking target Dus4L
GGATTAAAATCCGCTACTCACATCC

Oligo sequence written from 5' to 3' and complementary to translation-blocking target Cog5
TGATTCGGTATTAGCCTCCATCACT

Oligo sequence written from 5' to 3' and complementary to translation-blocking target Hbp1
CTGGCAAACCTGTCGCCATTACCGA

Oligo sequence written from 5' to 3' and complementary to translation-blocking target Gpr22
TCCCCTCCCTTGTGTTCCCTGTCCT

Oligo sequence written from 5' to 3' and complementary to translation-blocking target Bcap29
CTCCTGACAAATTCAGACGAAAGA

Oligo sequence written from 5' to 3' and complementary to translation-blocking target Prkar2B
GATCTGACCCTGTTCTAAATGGCTC

It is possible that, should the consortium discover more genes, this deliverable will be additionally expanded.