



Report of Deliverable No: 5.5  
Grant agreement number 200800

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**PU** = Public

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

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## **D5.5: Primer sets for Q-PCR for genes of interest**

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Partners involved: Tigenix – KU Leuven.

Genes of interest identified by the TREATOA consortium's efforts are studied by the different partners, in particular Tigenix and KU Leuven, to get more information about their function in in vitro and in vivo model systems. Gene expression is studied by real-time quantitative PCR. The following primer-probe sets have been developed or obtained and tested and are at the disposition of the different TREATOA consortium members.

**ANP32A identified as gene of interest in Valdes et al, Arthritis Rheum. 2009 Jul;60(7):2046-54**

- ANP32A: Human: Abi, Hs00829953\_g1

**DIO2 identified as gene of interest in Meulenbelt et al, Hum Mol Genet. 2008 Jun**

**15;17(12):1867-**

**75**

- Dio2: Human: Abi, Hs00255341\_m1

- Dio2: Mouse: Abi, Mm00515664\_m1

**FRZB identified as gene of interest in Loughlin et al, Proc Natl Acad Sci U S A. 2004 Jun**

**29;101(26):9757-62**

- Frzb: Mouse: Abi, Mm00441378\_m1

- Frzb exon: Abi, Mouse: Mm00441374\_m1

- Frzb: Human: Roche, Universal probe nr10: 04685091001

- Frzb: Human: Abi, Hs00173503\_m1

**GDF5 identified as gene of interest in Evangelou et al, Arthritis Rheum. 2009 Jun;60(6):1710-21.**

- GDF5: Human: Abi, Hs00167060\_m1

- GDF5 SNP rs143383: Human: Abi, c\_\_\_120479\_1\_

**Cog5 Cluster identified as gene of interest in Kerkhof et al, Arthritis Rheum. 2010**

**Feb;62(2):499-**

**510.**

**PRKAR2B**

- PRKAR2B: Human: Abi, Hs00176966\_m1

**HBP1**

- HBP1: Human: Abi, Hs00202110\_m1

**COG5**

- Cog5: Human: Abi, Hs00197140\_m1

**GPR22**

- GPR22: Human: Abi, Hs00271063\_s1

- GPR22: Human WT: SYBR GREEN primers

- GPR22: Human Synthetic MT: SYBR GREEN primers

**DUS4L**

- DUS4L: Human: Abi, Hs00199711\_m1

**BCAP29**

- BCAP29: Human: Abi, Hs00218964-m1