**Runs of homozygosity analysis reveals adaptation to heat stress in a paternal broiler line**

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**Supplementary Table S2** – Genes also identified by Sun et al. (2015) involved in the response to heat stress in chicken.

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| **Official gene symbol** | **Description** |
| *BAG1* | BCL2 associated athanogene 1 |
| *CASP9* | Caspase 9, apoptosis-related cysteine peptidase |
| *CDH12* | Cadherin 12, type 2 (N-cadherin 2) |
| *DDX42* | DEAD (Asp-Glu-Ala-Asp) box helicase 42 |
| *EFHD2* | EF-hand domain family, member D2 |
| *ELP2* | Elongator acetyltransferase complex subunit 2 |
| *FAM132A* | Family with sequence similarity 132 member A |
| *GFAP* | Glial fibrillary acidic protein |
| *GLTPD1* | Glycolipid transfer protein domain containing 1 |
| *GRIK4* | Glutamate receptor, ionotropic, kainate 4 |
| *HSPA8* | Heat shock 70kda protein 8 |
| *IKBKE* | Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon |
| *LEPRE1* | Leucine proline-enriched proteoglycan (leprecan) 1 |
| *MOCOS* | Molybdenum cofactor sulfurase |
| *MOV10* | Mov10, Moloney leukemia virus 10, homolog (mouse) |
| *MRTO4* | MRT4 homolog, ribosome maturation factor |
| *NCAPD3* | Non-SMC condensin II complex subunit D3 |
| *NSUN2* | NOP2/Sun RNA methyltransferase family member 2 |
| *OGDH* | Oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) |
| *OLFML3* | Olfactomedin like 3 |
| *PAFAH2* | Platelet-activating factor acetylhydrolase 2 |
| *PAQR7* | Progestin and adipoq receptor family member VII |
| *PLEKHA6* | Pleckstrin homology domain containing A6 |
| *PLXNA2* | Plexin A2 |
| *PPM1J* | Protein phosphatase, Mg2+/Mn2+ dependent, 1J |
| *PQLC2* | PQ loop repeat containing 2 |
| *RHOC* | Ras homolog family member C |
| *SLC39A6* | Solute carrier family 39 (zinc transporter), member 6 |
| *TAS1R3* | Taste 1 receptor member 3 |
| *VWA1* | Von Willebrand factor A domain containing 1 |
| *WNT4* | Wingless-type MMTV integration site family member 4 |
| *ZBTB40* | Zinc finger and BTB domain containing 40 |