

Supplementary Table 1. Proteins exclusively present in rat parotid glands in MeHg (Hg) group.

| ^aAccess number | Protein name description | PLGS Score |
|----------------------------------|---|-------------------|
| P68511 | 14-3-3 protein eta | 175,01 |
| P61983 | 14-3-3 protein gamma | 117,35 |
| P63102 | 14-3-3 protein zeta/delta | 146,33 |
| Q08163 | Adenylyl cyclase-associated protein 1 | 176,65 |
| D3ZCV5 | Aldehyde dehydrogenase, cytosolic 1 | 130,57 |
| P62161 | Calmodulin | 401,4 |
| G3V9M0 | Cystatin | 650,62 |
| P06214 | Delta-aminolevulinic acid dehydratase | 130,7 |
| Q641Y0 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit | 271,08 |
| MORCH0 | Eukaryotic translation initiation factor 3 subunit I | 237,45 |
| B0BNA7 | Eukaryotic translation initiation factor 3 subunit I | 237,45 |
| P82995 | Heat shock protein HSP 90-alpha | 113,76 |
| P34058 | Heat shock protein HSP 90-beta | 216,52 |
| P56574 | Isocitrate dehydrogenase [NADP], mitochondrial | 131,56 |
| P67779 | Prohibitin | 153,08 |
| O88767 | Protein deglycase DJ-1 | 414,81 |
| Q5EBB0 | Protein LOC298795 | 117,35 |
| Q8K3F3 | Protein phosphatase 1 regulatory subunit 14B | 247,45 |
| G3V834 | Protein PRRC1 | 138,28 |
| G3V9A3 | Protein Sfn | 117,35 |
| P51647 | Retinal dehydrogenase 1 | 133,52 |
| Q66X93 | Staphylococcal nuclease domain-containing protein 1 | 112,93 |
| Q3MIE4 | Synaptic vesicle membrane protein VAT-1 homolog | 264,18 |
| Q9JKC9 | Synerglin gamma | 116,86 |
| Q64428 | Trifunctional enzyme subunit alpha, mitochondrial | 145,78 |

The identified proteins unique in Hg group are organized according to the alphabetical order. ^aIdentification is based on protein ID from UniProt protein database (<http://www.uniprot.org/>).

Supplementary Table 2. Proteins exclusively present in rat parotid glands control group

| ^aAccess number | Protein name description | PLGS Score |
|----------------------------------|--|-------------------|
| P29266 | 3-hydroxyisobutyrate dehydrogenase, mitochondrial | 174,83 |
| P13471 | 40S ribosomal protein S14 | 114,97 |
| P38983 | 40S ribosomal protein SA | 250,76 |
| G3V880 | Aa1017 | 121,63 |
| G3V6S2 | Aconitate hydratase | 95,99 |
| P00330 | Alcohol dehydrogenase 1 | 3123,4 |
| Q8VHE9 | All-trans-retinol 13,14-reductase | 156,89 |
| P49088 | Asparagine synthetase [glutamine-hydrolyzing] | 87,56 |
| Q499T7 | Cilia- and flagella-associated protein 20 | 202,78 |
| P02454 | Collagen alpha-1(I) chain | 93,85 |
| Q62737 | Cytochrome b-245 light chain | 71,92 |
| Q68FY0 | Cytochrome b-c1 complex subunit 1, mitochondrial | 105,14 |
| Q63270 | Cytoplasmic aconitate hydratase | 91,63 |
| Q68FU3 | Electron transfer flavoprotein subunit beta | 131,56 |
| Q68FR9 | Elongation factor 1-delta | 132,39 |
| Q99PF5 | Far upstream element-binding protein 2 | 71,94 |
| P04906 | Glutathione S-transferase P | 558,96 |
| P62828 | GTP-binding nuclear protein Ran | 216,61 |
| Q3KRF2 | High density lipoprotein binding protein (Vigilin) | 110,19 |
| B4F777 | High mobility group nucleosome-binding domain-containing protein 5 | 141,91 |
| M0RCB8 | Histone H3 | 155,2 |
| Q6IFW6 | Keratin, type I cytoskeletal 10 | 119,33 |
| Q6IFV1 | Keratin, type I cytoskeletal 14 | 125,11 |
| Q6IFV3 | Keratin, type I cytoskeletal 15 | 105,3 |
| Q6IFU8 | Keratin, type I cytoskeletal 17 | 122,8 |
| Q6IFX1 | Keratin, type I cytoskeletal 24 | 102,47 |
| Q6IFU7 | Keratin, type I cytoskeletal 42 | 105,3 |
| Q6IG12 | Keratin, type II cytoskeletal 7 | 116,62 |
| O88989 | Malate dehydrogenase, cytoplasmic | 178,2 |
| B1WC26 | N-acetylneuraminic acid synthase | 265,94 |
| G3V8R1 | Nucleobindin 2, isoform CRA_b | 131,59 |
| Q9JI85 | Nucleobindin-2 | 131,59 |
| Q5U317 | Pre-mRNA 3'-end-processing factor FIP1 | 100,68 |

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|--------|--|--------|
| D4ADC7 | Protein Adgra2 | 75,19 |
| G3V6Y7 | Protein Caap1 | 204,58 |
| F1M5A1 | Protein Calr4 | 127,07 |
| Q63081 | Protein disulfide-isomerase A6 | 142,66 |
| D3ZN42 | Protein Fam122b | 169,96 |
| F1MAF7 | Protein Krt33a | 159,6 |
| Q6IFV6 | Protein Krt35 | 123,6 |
| Q6IFV5 | Protein Krt36 | 102,47 |
| M0RCJ8 | Protein Krt78 | 79,76 |
| F1MAC2 | Protein Krt78 | 79,76 |
| Q6PDV6 | Protein LOC100911847 | 114,97 |
| M0R6R9 | Protein LOC102549011 | 281,46 |
| D3ZL21 | Protein LOC685619 | 93,55 |
| Q6MG75 | Protein Nelfe | 112,12 |
| F1LP37 | Protein Nxn1 | 75,75 |
| B5DF04 | Protein Rad51 | 116,75 |
| F1LU69 | Protein Rps27a-ps12 | 109,79 |
| M0RCU2 | Protein Rrbp1 | 72,86 |
| M0RBS6 | Protein Rrbp1 | 72,86 |
| B2RZD1 | Protein Sec61b | 180,22 |
| D3ZD11 | Protein Spcs2 | 274,89 |
| D3Z854 | Protein Tti1 | 81,17 |
| Q4QQV0 | Protein Tubb6 | 121,37 |
| D4A2P7 | Similar to Brain protein 44-like (Predicted) | 128,16 |
| P07632 | Superoxide dismutase [Cu-Zn] | 421,28 |
| P46462 | Transitional endoplasmic reticulum ATPase | 101,1 |
| Q5XIF6 | Tubulin alpha-4A chain | 105,57 |
| P62982 | Ubiquitin-40S ribosomal protein S27a | 109,79 |
| P62986 | Ubiquitin-60S ribosomal protein L40 | 109,79 |
| Q9Z1A6 | Vigilin | 115,02 |

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Supplementary Table 3. Proteins exclusively present in rats submandibular glands in Hg (MeHg) group.

| ^a Access number | Protein name description | PLGS Score |
|----------------------------|----------------------------------|------------|
| P06761 | 78 kDa glucose-regulated protein | 416,41 |
| Q09073 | ADP/ATP translocase 2 | 315,62 |

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|--------|---|--------|
| M0R8M9 | Heat shock cognate 71 kDa protein | 316,02 |
| P14659 | Heat shock-related 70 kDa protein 2 | 60,85 |
| Q63279 | Keratin, type I cytoskeletal 19 | 164,41 |
| Q64335 | Killer cell lectin-like receptor subfamily G member 1 | 189,51 |
| F1LTD7 | Protein Dennd4c | 421,22 |
| F1LM05 | Protein LOC299282 | 121,86 |
| D3ZFB2 | Protein Luc7l3 | 420,9 |
| Q6MG75 | Protein Nelfe | 253,66 |
| F1M5J3 | Protein Nipa1 | 222,49 |
| Q9EPJ1 | Protein Twist1 | 168,85 |
| P05544 | Serine protease inhibitor A3L | 121,86 |
| P68370 | Tubulin alpha-1A chain | 191,53 |
| Q6P9V9 | Tubulin alpha-1B chain | 170,38 |
| Q6AYZ1 | Tubulin alpha-1C chain | 191,53 |

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Supplementary Table 4. Proteins exclusively present in rats submandibular glands in control group.

| Access number | Protein name description | PLGS Score |
|----------------------|---|-------------------|
| P35213 | 14-3-3 protein beta/alpha | 285,92 |
| P62260 | 14-3-3 protein epsilon | 268,52 |
| P68511 | 14-3-3 protein eta | 268,52 |
| P61983 | 14-3-3 protein gamma | 268,52 |
| P68255 | 14-3-3 protein theta | 268,52 |
| P35434 | ATP synthase subunit delta, mitochondrial | 210,14 |
| P62161 | Calmodulin | 588,62 |
| M0R8J8 | Carboxylic ester hydrolase | 147,62 |
| G3V936 | Citrate synthase | 265,57 |
| Q8VHF5 | Citrate synthase, mitochondrial | 265,57 |
| P09605 | Creatine kinase S-type, mitochondrial | 221,42 |
| Q6MGB6 | E3 ubiquitin-protein ligase RING1 | 158,98 |
| P07323 | Gamma-enolase | 131,56 |
| M0R660 | Glyceraldehyde-3-phosphate dehydrogenase | 171,14 |
| P0CG51 | Polyubiquitin-B | 203,24 |
| F1LML2 | Polyubiquitin-C | 203,24 |
| F1M446 | Protein AI314180 | 349,26 |
| P11598 | Protein disulfide-isomerase A3 | 352,92 |
| F1LRA1 | Protein ERGIC-53 | 214,36 |

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|--------|--|--------|
| Q5EBB0 | Protein LOC298795 | 268,52 |
| D3ZBG6 | Protein Ptrhd1 | 351,89 |
| F1LU69 | Protein Rps27a-ps12 | 203,24 |
| G3V9A3 | Protein Sfn | 268,52 |
| P18897 | SMR2 protein | 474,84 |
| Q9JK00 | Sodium channel subunit beta-3 | 193,86 |
| P06686 | Sodium/potassium-transporting ATPase subunit alpha-2 | 148,81 |
| P51514 | Transcription factor 12 | 447,77 |
| Q6MFY8 | Tripartite motif-containing protein 40 | 184,95 |
| Q4QRB4 | Tubulin beta-3 chain | 192,64 |
| P62982 | Ubiquitin-40S ribosomal protein S27a | 203,24 |
| P62986 | Ubiquitin-60S ribosomal protein L40 | 203,24 |

The identified proteins unique in Control group are organized according to the alphabetical order. ^aIdentification is based on protein ID from UniProt protein database (<http://www.uniprot.org/>).

Supplementary Table 5. Proteins exclusively present in rats sublingual glands in Hg (MeHg) group.

| ^a Access number | Protein name description | PLGS Score |
|----------------------------|--|------------|
| P06761 | 78 kDa glucose-regulated protein | 433,49 |
| P62161 | Calmodulin | 770,24 |
| Q68FY0 | Cytochrome b-c1 complex subunit 1, mitochondrial | 122,57 |
| P63018 | Heat shock cognate 71 kDa protein | 674,38 |
| P14659 | Heat shock-related 70 kDa protein 2 | 541,83 |
| Q00729 | Histone H2B type 1-A | 239,59 |
| P01836 | Ig kappa chain C region, A allele | 434,5 |
| P13084 | Nucleophosmin | 321,07 |
| P10111 | Peptidyl-prolyl cis-trans isomerase A | 618,4 |
| Q63081 | Protein disulfide-isomerase A6 | 117,63 |
| Q3T114 | Protein PRRC1 | 243,35 |
| D3Z810 | Protein RGD1564129 | 230,52 |
| MORCB1 | Uncharacterized protein | 618,84 |

The identified proteins unique in Control group are organized according to the alphabetical order. ^aIdentification is based on protein ID from UniProt protein database (<http://www.uniprot.org/>).

Supplementary Table 6. Proteins exclusively present in rats sublingual glands in control group.

| ^aAccess number | Protein name description | PLGS Score |
|----------------------------------|---|-------------------|
| MORCB1 | Uncharacterized protein | 618,84 |
| Q4FZV3 | Axonemal dynein light intermediate polypeptide 1 | 160,18 |
| P02466 | Collagen alpha-2(I) chain | 250,32 |
| P00406 | Cytochrome c oxidase subunit 2 | 218,87 |
| P97541 | Heat shock protein beta-6 | 266,23 |
| P01835 | Ig kappa chain C region, B allele | 644,39 |
| Q5BJY9 | Keratin, type I cytoskeletal 18 | 162,58 |
| D3ZAP1 | Mediator of RNA polymerase II transcription, subunit 19 homolog (Yeast) (Predicted) | 291,11 |
| F1LQ08 | Protein Car6 | 621,25 |
| D3ZE71 | Protein Faap24 | 168 |
| F1LZM0 | Protein Foxn2 | 139,63 |
| F1M3U4 | Protein Gm15294 | 227,93 |
| M0R5K7 | Protein Pradc1 | 190,66 |
| D4A3I2 | Protein RGD1308117 | 145,8 |
| E9PSN4 | Protein Zc3h13 | 135,79 |
| P12346 | Serotransferrin | 235,78 |
| P06685 | Sodium/potassium-transporting ATPase subunit alpha-1 | 171,71 |
| Q07984 | Translocon-associated protein subunit delta | 271,56 |
| Q6QMY6 | Tsukushin | 123,23 |
| P68370 | Tubulin alpha-1A chain | 449,61 |
| Q6P9V9 | Tubulin alpha-1B chain | 449,61 |
| Q6AYZ1 | Tubulin alpha-1C chain | 449,61 |

The identified proteins unique in Control group are organized according to the alphabetical order. ^aIdentification is based on protein ID from UniProt protein database (<http://www.uniprot.org/>).