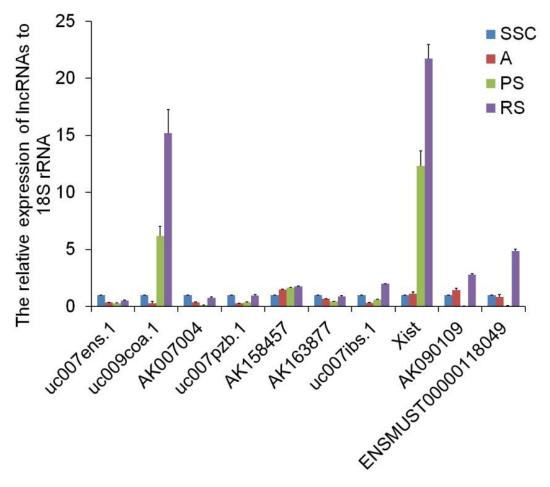
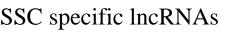
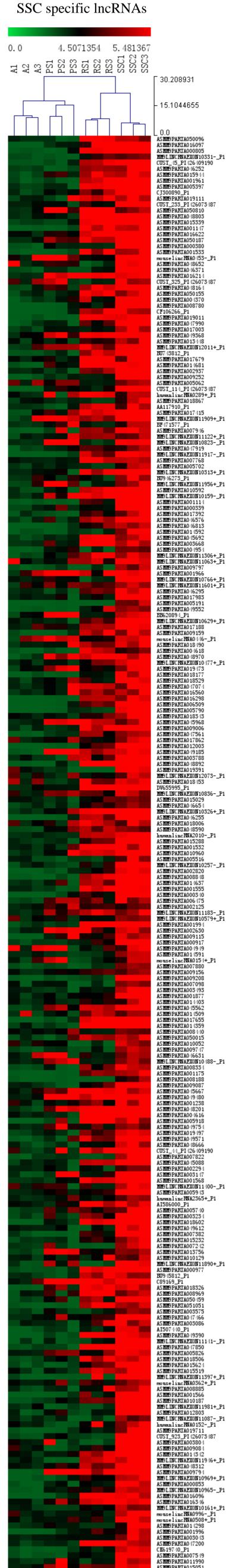
Sequential expression of long noncoding RNA as mRNA gene expression in specific stages of mouse spermatogenesis

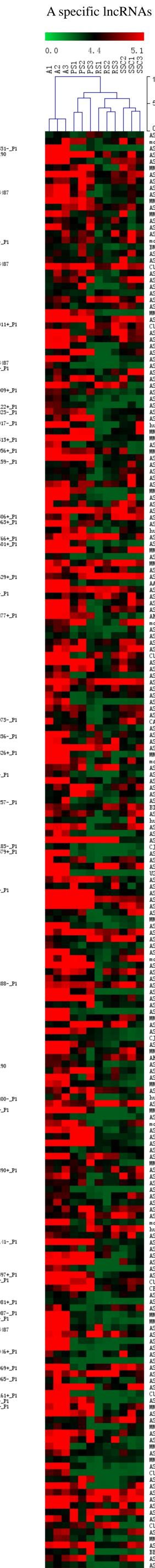
Meng Liang, Wenqing Li, Hui Tian, Tao Hu, Lu Wang, Yu Lin, Yulei Li, Hefeng Huang & Fei Sun

Supplemental Figure S1. Total RNA was extracted from isolated male germ cells and then subjected to real-time PCR analysis for lncRNAs (uc007ens.1, uc009coa.1, AK007004, uc007pzb.1, AK158457, AK163877, uc007ibs.1, Xist, AK090109, ENSMUST00000118049) expression. These lncRNAs expression levels were normalized to endogenous 18S rRNA. Data shown are the mean \pm SEM of three separate experiments performed in triplicate.

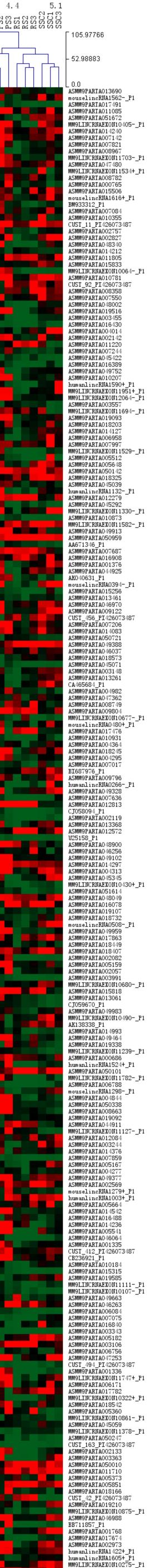








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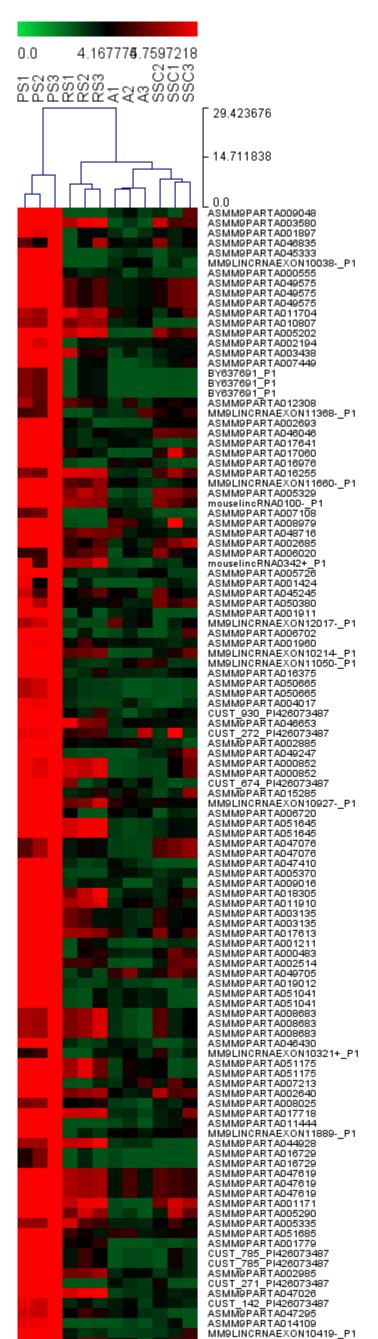


ASMM9PARTA011628

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MM9LINCRNAEXON10498+_F

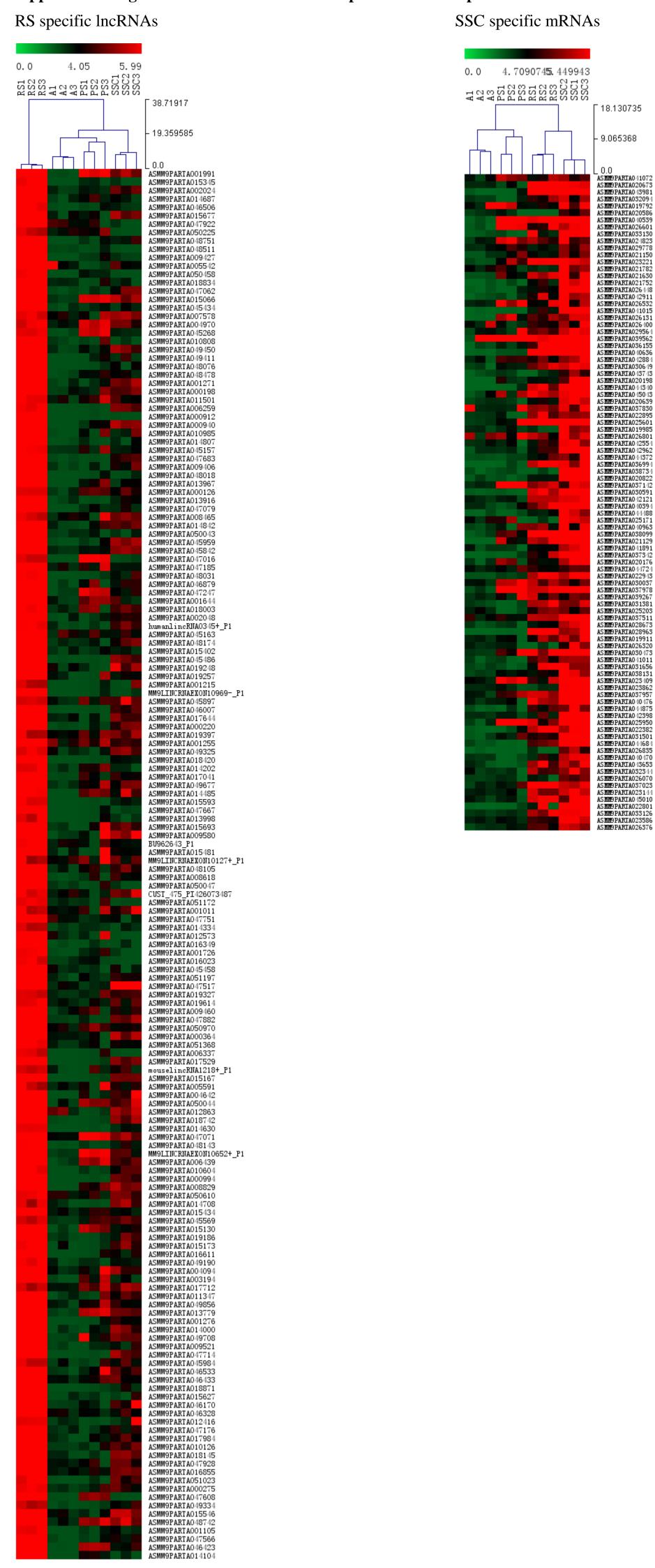
PS specific lncRNAs



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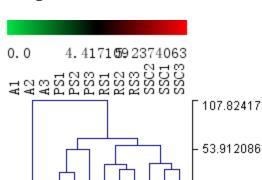
ASMM9PARTA002153

Supplemental Figure S2. The clustered heat map showed these specific lncRNAs/mRNAs. SSC specific mRNAs



A specific mRNAs

A1 A2 A2 PS1 PS3 PS3 RS3 SS2 SS2 SS2 SS2 SS2 SS2



LUU ASIMPPARTA025202 ASIMPPARTA024683 ASIMPPARTA024683 ASIMPPARTA029477 ASIMPPARTA039369 ASIMPPARTA039569 ASIMPPARTA029225 ASIMPPARTA0292257 ASIMPPARTA029557 ASIMPPARTA039566 ASIMPPARTA039567

AS INTO PARTA029557 AS INTO PARTA039146 AS INTO PARTA030805 AS INTO PARTA023890 AS INTO PARTA023890 AS INTO PARTA025186 AS INTO PARTA025186 AS INTO PARTA027803 AS INTO PARTA024708 AS INTO PARTA024708 AS INTO PARTA023112 AS INTO PARTA023312 AS INTO PARTA023312 AS INTO PARTA02336

ASINPPARTA023066 ASINPPARTA026446 ASINPPARTA026446 ASINPPARTA044292 ASINPPARTA03283

ASING PARTA02573

SIII9PARTA02688

ASIN9PARTA0426 ASIN9PARTA0203

ASIN9PARTA02977 ASIN9PARTA04217

ASID PARTA04447 ASID PARTA02334

ASIN PARTA0238

SIIII9PARTA029

ASIMPPARTA0322 ASIMPPARTA0293

SIII PARTA0391

ASIM9PARTA0299

ASIMOPARTA02701 ASIMOPARTA03319

AS IN PARTAO 4264

ASIMPPARTA0318

ASINOPARTA03969 ASINOPARTA02623

ASIN PARTA0288

ASIN9PARTA03261 ASIN9PARTA03011 ASIN9PARTA02575

ASIMPPARTA03151 ASIMPPARTA04130

ASIMPPARTA02112 ASIMPPARTA02607

ASIN9PARTA0210

ASING PARTA022555 ASING PARTA030730 ASING PARTA043308

ASIN9PARTA0240

AS INSPARTA028045 AS INSPARTA026780 AS INSPARTA03306

ASINIPARTA041550 ASINIPARTA041550 ASINIPARTA038380 ASINIPARTA038546 ASINIPARTA043372

ASING PARTA02371 ASING PARTA02271 ASING PARTA02260 ASING PARTA02860 ASING PARTA03307

ASID PARTA0316

ASINGPARTA02286 ASINGPARTA02272 ASINGPARTA03771

ASIMPPARTA02310 ASIMPPARTA02333 ASIMPPARTA033033 ASIMPPARTA036619

ASINOPARTA02860 ASINOPARTA04486

ASINOPARTA03936 ASINOPARTA02017

ASIN9PARTA0431

ASIMPPARTA03190 ASIMPPARTA03775 ASIMPPARTA03121

ASIMPPARTA024938 ASIMPPARTA028762

ASIN9PARTA03605 ASIN9PARTA028267

SHIPPARTAOS98

ASIND PARTA020167 ASIND PARTA021167 ASIND PARTA041149 ASIND PARTA043753 ASIND PARTA024460 ASIND PARTA036956

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AS INEPARTA02368 AS INEPARTA02311 AS INEPARTA02311 AS INEPARTA02369: AS INEPARTA02569: AS INEPARTA03817 AS INEPARTA043918 AS INEPARTA043918 AS INEPARTA04326706 AS INEPARTA026706

ASIMPPARTA04398 ASIMPPARTA04398 ASIMPPARTA04423 ASIMPPARTA03403 ASIMPPARTA04259

ASINIPPARTA032922 ASINIPPARTA032922 ASINIPPARTA031865 ASINIPPARTA043386 ASINIPPARTA043386

ASTEPPARTA02303 ASTEPPARTA02027 ASTEPPARTA02027 ASTEPPARTA026281 ASTEPPARTA023430

AS IND FARTA023-136 AS IND PARTA038586 AS IND PARTA033997 AS IND PARTA027440 AS IND PARTA042338

ASING PARTA03892 ASING PARTA03892 ASING PARTA03133 ASING PARTA04250 ASING PARTA04351

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ASINIPARTA041976 ASINIPARTA042317 ASINIPARTA042317 ASINIPARTA043279 ASINIPARTA019560

ASIN9PARTA027698 ASIN9PARTA024997

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AS INP PARTA030236 AS INP PARTA031348 AS INP PARTA022043 AS INP PARTA037432 AS INP PARTA022499

AS INTEPART A022199 AS INTEPART A026199 AS INTEPART A024177 AS INTEPART A035990 AS INTEPART A035990 AS INTEPART A03591 AS INTEPART A035697 AS INTEPART A036697 AS INTEPART A036697

ASINIPPARTA026017 ASINIPPARTA026017 ASINIPPARTA031675 ASINIPPARTA03883 ASINIPPARTA020155

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ASIN9PARTA0236

ASIN9PARTA02969: ASIN9PARTA030630 ASIN9PARTA028162

ASIMPPARTA02606 ASIMPPARTA03359

ASIN9PARTA040427 ASIN9PARTA026404

ASIMPPARTA026404 ASIMPPARTA025910 ASIMPPARTA042383 ASIMPPARTA042383 ASIMPPARTA044467 ASIMPPARTA029666 ASIMPPARTA0286719 ASIMPPARTA038848 ASIMPPARTA023935 ASIMPPARTA023935 ASIMPPARTA023315 ASIMPPARTA023468 ASIMPPARTA044376 ASIMPPARTA044376

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ASIMPPARTA036888 ASIMPPARTA033294 ASIMPPARTA035881 ASIMPPARTA031008

ASIN9PARTA02789: ASIN9PARTA041173

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ASIND PARTA02417 ASIND PARTA02417 ASIND PARTA035306 ASIND PARTA030017 ASIND PARTA026197

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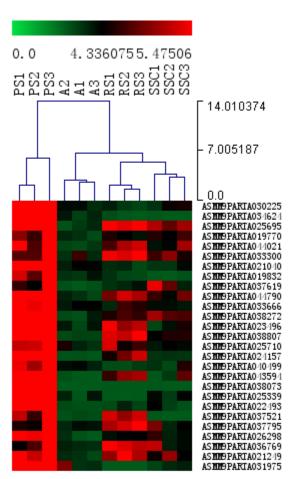
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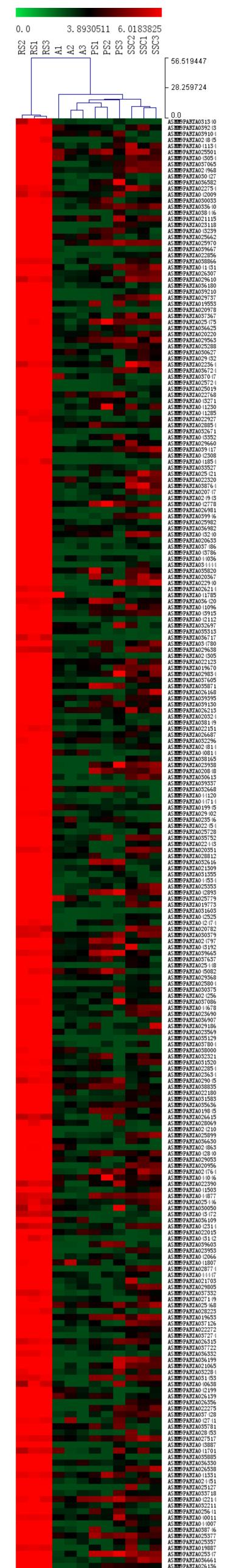
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PS specific mRNAs



RS specific mRNAs



Supplemental Figure S3. Enriched biological process GO terms among changed genes. A, Up-regulated genes in A versus SSC. B, Down-regulated genes in A versus SSC. C, Up-regulated genes in PS versus A. D, Down-regulated genes in PS versus A. E, Up-regulated genes in RS versus PS. F, Down-regulated genes in RS versus PS.

