

Tuber Genome Consortium – Task Assignments (as October 2008)

Tasks	Team
Basic Features of the Genome	
Sequencing & Assembly	P Wincker et al. (Génoscope)
Gene Prediction (Gase)	P Wincker et al. (Génoscope)
Gene structure, synteny	P Wincker et al. (Génoscope)
Multigene families	B Hilselberger & F Martin (Nancy)
Secretome	F Martin (Nancy)
Transcriptome	A Kohler & E Morin (Nancy)/A Couloux (Génoscope)
SSR, genetic diversity	C Murat (Nancy)/F Paolucci (Perugia)
Databasing	E Morin (INRA)/J Amselem (URGI-INRA)
Chromatin Assembly, DNA Repair & Recombination & Gene Regulation	
Transcription & Translation Factors	S Ottonello et al. (Parma)
DNA repair & processing, Silencing, RIP	S Ottonello et al. (Parma)
non coding RNAs	E Morin & C Murat (INRA)
Transposable Elements	S Ghignone (Turin)/C Murat (Nancy)/H Quesneville
Chromatin & Histone	P Ballario (Roma)/S Ottonello et al. (Parma)
RNA splicing	E Morin (Nancy)
Metabolic Processes & Transport	
Proteases	M Buée (Nancy)
Lignin degradation	M Buée (Nancy)
Transporters	A Brun (Nancy)
Nitrogen Metabolism	A Brun (Nancy)
Carbohydrate Metabolism	A Amicucci et al. (Urbino)
Lipids	P Bonfante et al. (Torino)
Secondary metabolism	MH Lebrun (CNRS)
VOC – volatiles	P Bonfante et al. (Torino)
Mitochondrion & Energy	C Roux (U Toulouse)
Redox Genes (thioredoxins, ...)	N Rouhier (UHP-Nancy)
Metal homeostasis (MT, chaperone)	S Ottonello et al. (Parma)
Laccases and MCO	M Miranda et al.
Environmental Sensing	
Signal Transduction Pathways & Kinases	S Duplessis (INRA-Nancy)/A Amicucci (Urbino)
Heat Shock and Stress responses	P Bonfante et al. (Torino)
Photobiology & Circadian Rhythms	P Ballario (Roma)
Growth & Reproduction	
Cell Wall Proteins	R Balestrini (Torino)
Carbohydrate Active Enzymes	P Coutinho et al. (Marseille)
Cytoskeleton, Vesicles & Motor Proteins	A Amicucci et al. (Urbino)
Hyphal Growth & Morphology	R Balestrini (Torino)/A Amicucci (Urbino)
Cell Cycle Genes	M Miranda et al.
Mating type Genes/Sexual Sporulation	A Zambonelli (Bologna)/F Paolucci et al (Perugia)
/vegetative incompatibility	
Post-genomics activities	
Libraries for yeast functional complementation	B Montanini (Parma)
Whole-genome expression arrays	A Kohler (Nancy)
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