

Materials List for:

Comprehensive Workflow for the Genome-wide Identification and Expression Meta-analysis of the ATL E3 Ubiquitin Ligase Gene Family in Grapevine

Pietro Ariani¹, Elodie Vandelle^{*1}, Darren Wong², Alejandro Giorgetti¹, Andrea Porceddu³, Salvatore Camiolo³, Annalisa Polverari¹

¹Dipartimento di Biotecnologie, Università degli Studi di Verona

²Ecology and Evolution, Research School of Biology, The Australian National University

³Dipartimento di Agraria, SACEG, Università degli Studi di Sassari

*These authors contributed equally

Correspondence to: Elodie Vandelle at elodiegenevieve.vandelle@univr.it, Annalisa Polverari at annalisa.polverari@univr.it

URL: <https://www.jove.com/video/56626>

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Materials

Name	Company	Catalog Number	Comments
Personal computer			
Basic Local Alignment Search Tool (BLAST)			https://blast.ncbi.nlm.nih.gov/Blast.cgi
Molecular Evolutionary Genetics Analysis (MEGA)			http://www.megasoftware.net/
Motif-based sequence analysis tools (MEME)			http://meme-suite.org/
Geneious	Biomatters Limited		http://www.geneious.com/
ProtParam Tool			http://web.expasy.org/protparam/
ngLOC			http://genome.unmc.edu/ngLOC/index.html
TargetP v1.1 Server			http://www.cbs.dtu.dk/services/TargetP/
Protein Prowler			http://bioinf.scmb.uq.edu.au:8080/pprowler_webapp_1-2/
MUsite			http://musite.sourceforge.net/
Pfam			http://pfam.xfam.org/
TMHMM Server v. 2.0			http://www.cbs.dtu.dk/services/TMHMM/
ProtScale			http://web.expasy.org/protscale/
Grape Genome Database (CRIBI)			http://genomes.cribi.unipd.it/grape/
PhenoGram			http://visualization.ritchielab.psu.edu/phenograms/plot
MCSanX			http://chibba.pgml.uga.edu/mcsan2/
Interactive Tree Of Life (iTOL)			http://itol.embl.de/
UniProt			http://www.uniprot.org/
Phylogeny.fr			http://www.phylogeny.fr/index.cgi
MUSCLE			http://www.ebi.ac.uk/Tools/msa/muscle/
Gblocks Server			http://molevol.cmima.csic.es/castresana/Gblocks_server.html
<i>Vitis vinifera</i> cv. Corvina gene expression Atlas datamatrix			https://www.researchgate.net/publication/273383414_54sample_datamatrix_geneIDs_Fasoli2012

Multi Experiment Viewer (MeV)			http://mev.tm4.org/#/welcome
Sequence Read Archive (SRA)			https://www.ncbi.nlm.nih.gov/sra
R			https://www.r-project.org/
EMBOSS Needle (EMBL-EBI)			http://www.ebi.ac.uk/Tools/psa/emboss_needle/