Package 'flash'

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Type Package		
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Description Mo	re about what it does (maybe more than one line)	
License GPL		
LazyData TRUI		
NeedsCompilati	deedsCompilation no	
R topics documented:		
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flash_VEM	Multivariate Adaptive Shrinkage (original version)	
Description		
mvash provi	le adaptive shrinkage estimation of effect size for correlated data	
Usage		
flash_VEM(/, tol = 1e-06, numtau = 500)	
Arguments		
Υ	ZZZ	
tol	ZZZ	
numtau	ZZZ	

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Details

mvash provide shrinkage estimation of effect size for correlated data with mixed normal prior of which the grids (standard deviation) are predefined. The proportion for each component in the prior can be initialized as arbitury value. In updating the parameters and hyper parameters, mvash uses Variantional Bayes procedure.

Value

list of posterior mean, standard deviation, proportion for each mixed component and the estimation of the hyper patameters pi_hat in the prior

- mu is a P by K matrix of posterior mean for each gene on each component
- s is a P by K matrix of posterior standard deviation for each gene on each component
- alpha is a P by K matrix of posterior proportion for each gene on each component
- pihat is a estimation for the hyper parameters pi in the prior which the proportion for each fixed grids.

Examples

NULL

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