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Differential sulphur assimilation mechanism regulates response of *Arabidopsis thaliana* natural variation towards arsenic stress under limiting sulphur condition

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Highlights

- Response of *Arabidopsis* natural variation under LS, As(III) and combined stress
- Koz2-2 and Ri-0 identified to be most tolerant and sensitive respectively
- Enhanced oxidative stress observed in Ri-0 in comparison to Koz2-2 under stress
- Increased GSH content observed in Koz2-2 as compared to Ri-0 under stress condition
- Genetic variation in S assimilation and transport regulate differential response

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