

1	- Not-only-linear correlation coefficients <b>might</b> also be <b>helpful</b> in <b>the field of</b> genetic studies.	1	+ Not-only-linear correlation coefficients <b>may</b> be <b>useful</b> in genetic studies.
2	- In this context, <b>genome-wide</b> association studies (GWAS) have been successful in understanding the <b>molecular basis of common diseases</b> by estimating the <b>association between genotype</b> and phenotype [ <a href="https://doi.org/10.1016/j.ajhg.2017.06.005">@doi:10.1016/j.ajhg.2017.06.005</a> ].	2	+ <b>Genome-wide</b> association studies (GWAS) have been successful in understanding the <b>connection between genotype and phenotype</b> , but <b>the estimated effect sizes of the identified genes</b> are usually small, and <b>they explain only a small part of the phenotype variance</b> [ <a href="https://doi.org/10.1016/j.ajhg.2017.06.005">@doi:10.1016/j.ajhg.2017.06.005</a> ; <a href="https://doi.org/10.1038/s41576-019-0127-1">@doi:10.1038/s41576-019-0127-1</a> ].
3	- However, the estimated effect sizes of genes identified with GWAS are generally modest, and they explain only a fraction of the <b>phenotype variance</b> , hampering the clinical translation of these findings [ <a href="https://doi.org/10.1038/s41576-019-0127-1">@doi:10.1038/s41576-019-0127-1</a> ].	3	+ <b>This has hindered</b> the clinical translation of these findings.
4	- Recent theories, like the <b>omnigenic model</b> for complex traits [ <a href="https://pubmed.ncbi.nlm.nih.gov/28622505/">@pmid:28622505</a> ; <a href="https://pubmed.ncbi.nlm.nih.gov/31051098/">@pmid:31051098</a> ], <b>argue</b> that <b>these observations</b> are explained by highly-interconnected gene regulatory networks, with some core genes having a more direct effect on the phenotype than others.	4	+ <b>The</b> omnigenic model for complex traits [ <a href="https://pubmed.ncbi.nlm.nih.gov/28622505/">@pmid:28622505</a> ; <a href="https://pubmed.ncbi.nlm.nih.gov/31051098/">@pmid:31051098</a> ] <b>suggests</b> that highly-interconnected gene regulatory networks <b>could explain this</b> , with some core genes having a more direct effect on the phenotype than others.
5	- Using this omnigenic perspective, we and others [ <a href="https://doi.org/10.1101/2021.07.05.450786">@doi:10.1101/2021.07.05.450786</a> ; <a href="https://doi.org/10.1186/s13040-020-00216-9">@doi:10.1186/s13040-020-00216-9</a> ; <a href="https://doi.org/10.1101/2021.10.21.21265342">@doi:10.1101/2021.10.21.21265342</a> ] have <b>shown</b> that integrating gene co-expression networks in genetic studies could potentially identify core genes that are <b>missed by</b> linear-only models <b>alone like</b> GWAS.	5	+ <b>We</b> and others [ <a href="https://doi.org/10.1101/2021.07.05.450786">@doi:10.1101/2021.07.05.450786</a> ; <a href="https://doi.org/10.1186/s13040-020-00216-9">@doi:10.1186/s13040-020-00216-9</a> ; <a href="https://doi.org/10.1101/2021.10.21.21265342">@doi:10.1101/2021.10.21.21265342</a> ] have <b>demonstrated</b> that integrating gene co-expression networks in genetic studies could potentially identify core genes that are <b>not found with</b> linear-only models <b>such as</b> GWAS.
6	- Our results <b>suggest</b> that <b>building these networks with</b> more advanced and efficient correlation coefficients could better estimate gene co-expression profiles and thus more accurately identify these core genes.	6	+ Our results <b>indicate</b> that <b>using</b> more advanced and efficient correlation coefficients <b>to build these networks</b> could better estimate gene co-expression profiles and thus more accurately identify these core genes.
7	- Approaches like CCC could <b>play</b> a significant role in <b>the precision medicine field</b> by providing the computational tools to focus on more promising genes <b>representing potentially</b> better candidate drug targets.	7	+ Approaches like CCC could <b>have</b> a significant role in precision medicine by providing the computational tools to focus on more promising genes, <b>which may represent</b> better candidate drug targets.