Girardi, F., Canton, M., Bettio, G., Rasori, A., Cardillo, V., Meggio, F., & Botton, A. (2026). Physiological responses of grapevine (*Vitis vinifera* L.) developing buds to drought stress: A transcriptomic analysis. *OENO One*, *60*(1).
https://doi.org/10.20870/oeno-one.2026.60.1.9732

SUPPLEMENTARY DATA

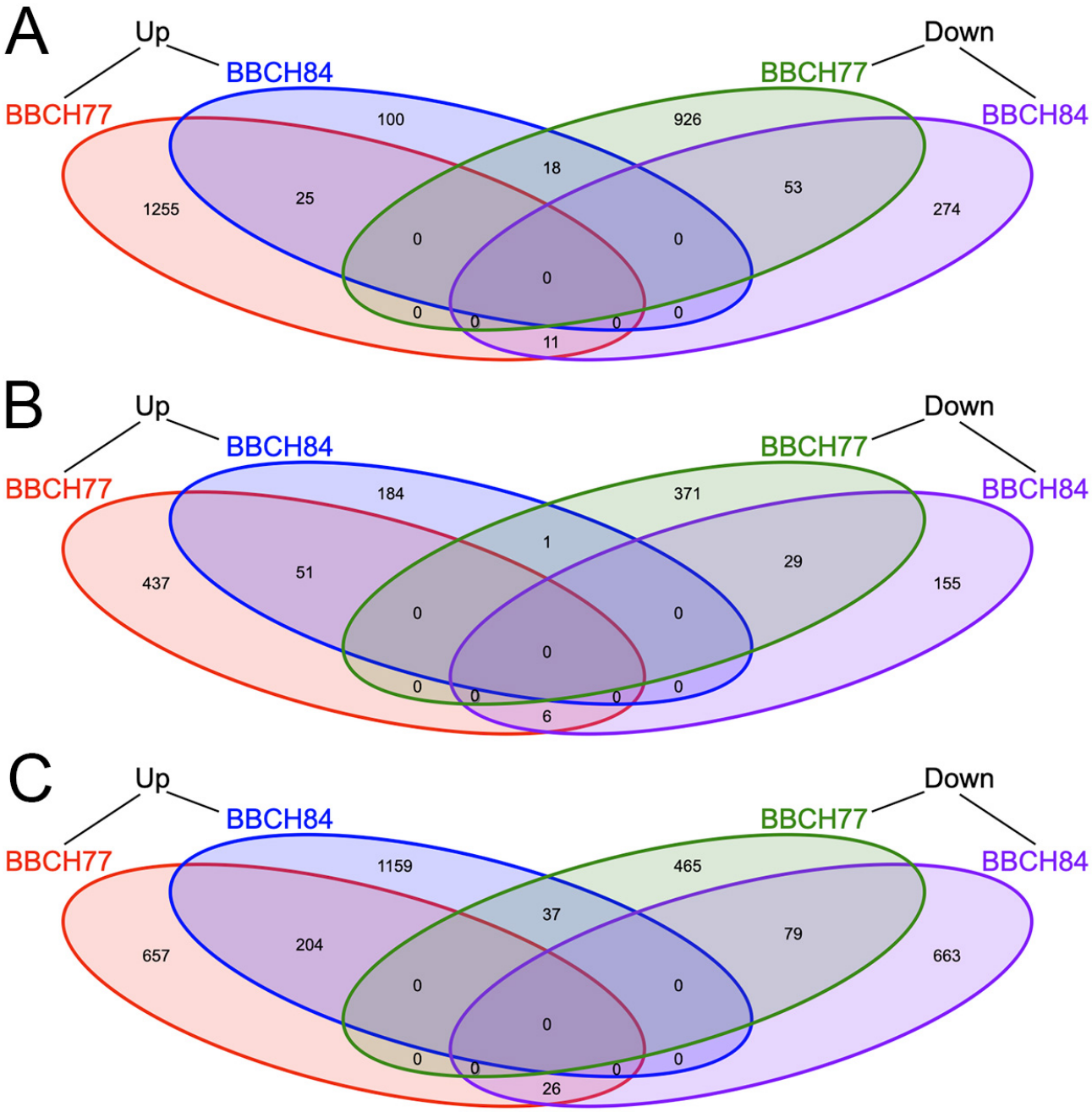


Figure S1. Venn diagrams of DEGs at nodes 2 (A), 5 (B), and 10 (C).

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Table S1. Summary of RNA-Seq statistics in all replicates of all samples. UTC, unstressed; WS, water-stressed.

Treatment	Phenology	Node position	Replicate	Total N° reads	Reads not aligned concordantly	Reads aligned concordantly 1 time	Reads aligned concordantly > 1 time	Overall alignment rate
UTC	BBCH 77	2	1	33,551,082	12,103,236	20,839,298	608,548	87.6 %
UTC	BBCH 77	2	2	29,633,914	9,715,510	19,360,483	557,921	88.0 %
UTC	BBCH 77	2	3	91,078,828	31,356,313	57,813,935	1,908,580	87.6 %
UTC	BBCH 77	5	1	50,904,537	16,909,102	33,184,208	811,227	87.0 %
UTC	BBCH 77	5	2	51,704,903	16,875,951	33,992,914	836,038	87.6 %
UTC	BBCH 77	5	3	50,640,832	16,575,210	33,231,339	834,283	87.6 %
UTC	BBCH 77	10	1	52,780,542	17,808,102	34,141,374	831,066	88.3 %
UTC	BBCH 77	10	2	53,792,980	16,579,220	36,376,643	837,117	88.4 %
UTC	BBCH 77	10	3	43,901,223	13,573,027	29,616,120	712,076	88.8 %
UTC	BBCH 84	2	1	53,189,469	14,823,825	37,318,136	1,047,508	89.7 %
UTC	BBCH 84	2	2	57,715,903	17,399,130	39,193,800	1,122,973	88.3 %
UTC	BBCH 84	2	3	55,392,824	15,715,148	38,585,135	1,092,541	89.7 %
UTC	BBCH 84	5	1	47,315,248	13,297,347	33,183,518	834,383	90.3 %
UTC	BBCH 84	5	2	55,777,700	15,678,547	39,160,545	938,608	90.2 %
UTC	BBCH 84	5	3	51,911,604	14,752,646	36,287,781	871,177	89.8 %
UTC	BBCH 84	10	1	53,684,483	14,976,623	37,801,586	906,274	90.8 %
UTC	BBCH 84	10	2	47,287,515	13,871,559	32,678,609	737,347	90.1 %
UTC	BBCH 84	10	3	57,398,976	17,822,159	38,609,614	967,203	88.5 %
WS	BBCH 77	2	1	41,034,886	11,643,289	28,540,162	851,435	88.6 %
WS	BBCH 77	2	2	46,933,817	16,969,401	23,876,298	6,088,118	88.2 %
WS	BBCH 77	2	3	46,248,456	13,759,554	31,486,687	1,002,215	89.3 %
WS	BBCH 77	5	1	45,899,852	13,574,270	31,473,330	852,252	89.1 %
WS	BBCH 77	5	2	46,405,664	13,277,408	32,212,466	915,790	89.3 %
WS	BBCH 77	5	3	40,825,159	12,878,174	27,205,814	741,171	88.1 %
WS	BBCH 77	10	1	30,966,652	10,118,088	20,357,836	490,728	87.9 %
WS	BBCH 77	10	2	77,486,640	23,339,509	52,541,179	1,605,952	89.0 %
WS	BBCH 77	10	3	122,285,282	30,517,752	89,095,439	2,672,091	91.3 %
WS	BBCH 84	2	1	76,244,713	21,477,952	53,085,038	1,681,723	90.4 %
WS	BBCH 84	2	2	81,934,889	23,068,665	57,014,990	1,851,234	89.6 %
WS	BBCH 84	2	3	89,127,619	26,354,965	60,925,501	1,847,153	89.4 %
WS	BBCH 84	5	1	31,037,363	10,155,100	20,352,306	529,957	88.0 %
WS	BBCH 84	5	2	46,448,373	15,440,452	30,255,972	751,949	87.4 %
WS	BBCH 84	5	3	82,638,728	27,216,720	54,016,777	1,405,231	87.5 %
WS	BBCH 84	10	1	30,683,295	10,092,109	20,085,757	505,429	87.5 %
WS	BBCH 84	10	2	48,521,071	21,865,046	26,032,058	623,967	68.3 %
WS	BBCH 84	10	3	37,070,308	12,377,319	24,087,637	605,352	88.6 %
			Mean	**56,766,265**	**16,218,934**	**37,924,736**	**1,390,097**	**87.6 %**