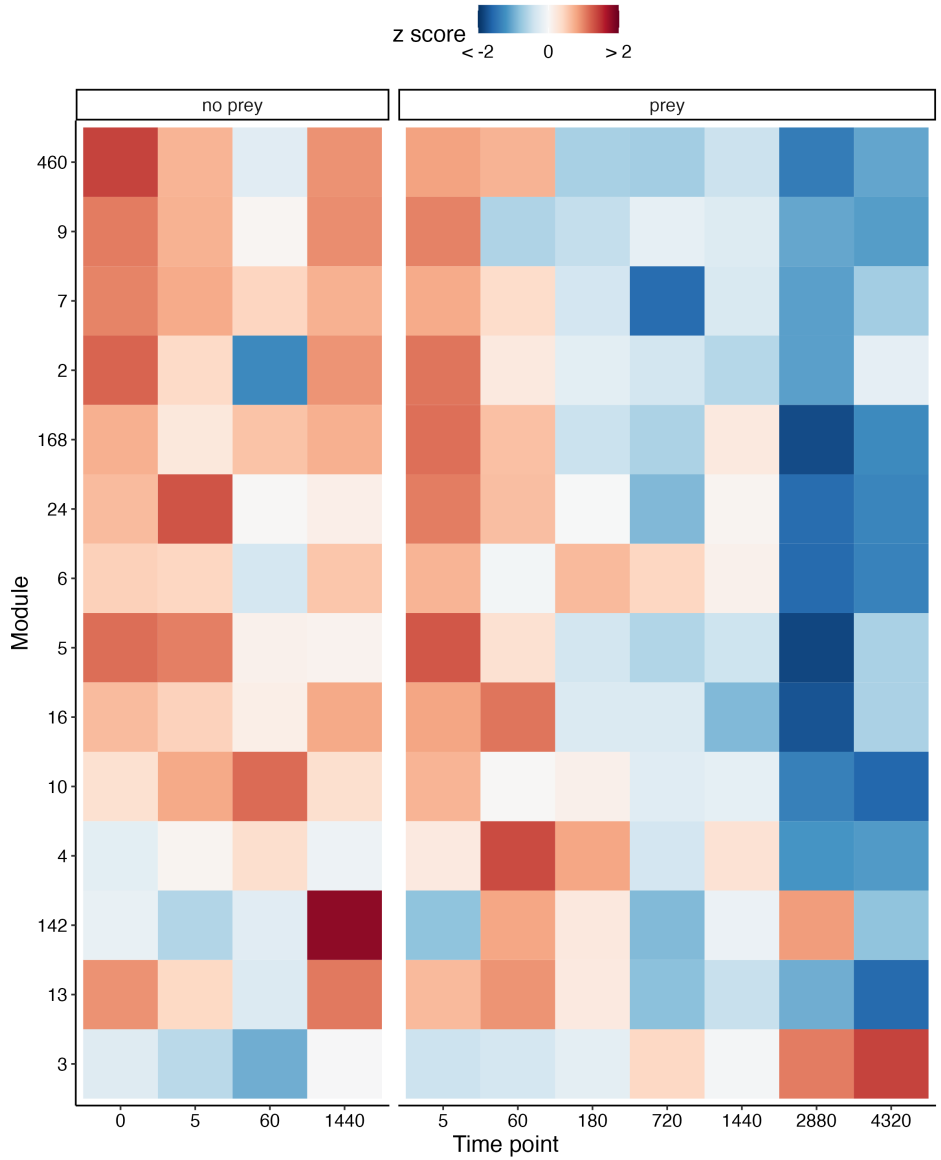
Network Modules

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6



Enzymes in Network Modules

Discovery of digestive enzymes in carnivorous plants with focus on proteases

Rishiesvari Ravee, Faris 'Imadi Mohd Salleh and Hoe-Han Goh

Institute of Systems Biology (INBIOSIS), Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia

	Literature Review	RNA-seq BLAST Hit in Module(s)	# of BLAST Hits in Module(s)	# of BLAST Hits total	# of Modules	Modules
Phosphatase	x	x	84	119	9	2,3,4,6,7,9,10,13,16
Protease	x	x	34	74	8	2,3,4,6,7,9,10,16
Chitinase	x	x	8	9	3	3,9,10
Glucanase	x	x	2	2	1	3
Esterase	x	x	37	61	9	2,3,4,6,7,9,10,24,168
Peroxidase	x	x	18	33	6	2,3,4,7,10,16
Nuclease	x	x	27	39	8	2,3,4,6,7,9,10, 16
Glucosaminidase			0	0		
Glucosidase		x	13	23	8	2,3,4,6,7,9,10,13
Amylase	x	x	16	21	4	2,3,10,16
Lipase		x	31	41	7	2,3,4,6,7,9,10
Ribonuclease		x	9	11	3	2, 3,10
Phosphoamidase			0	0	0	
Xylosidase		x	2	6	2	3,10
Urease		x	3	4	3	2, 10,16

Enzymes in Network Modules

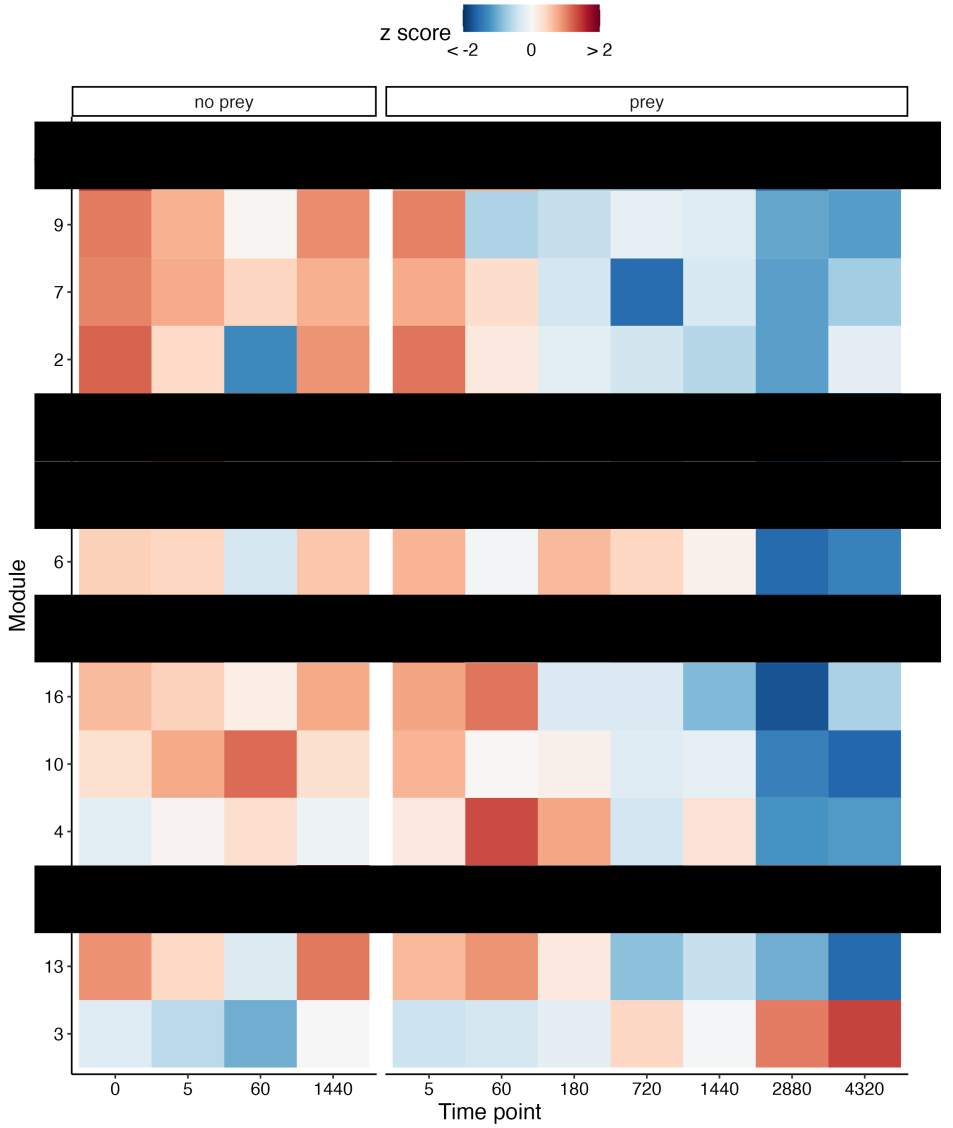
module	n	Phosphatase	Protease	Chitinase	Glucanase	Esterase	Peroxidase	Nuclease	Glucosaminidase	Glucosidase	Amylase	Lipase	Ribonuclease	Phosphoamidase	Xylosidase	Urease
3	3009	x	x	x	x	x	x	x		x	x	x	x		x	
2	1684	x	x			x	x	x		x	x	x	x			x
4	1455	x	x			x	x	x		x		x				
10	1239	x	x	x		x	x	x		x	x	x	x		x	x
7	750	x	x			x	x	x		x		x				
9	668	x	x	x		x		x		x		x				
6	531	x	x			x		x		x		x				
16	418	x	x				x				x					x
13	178	x						x		x						
5	36															
24	35					x										
168	22					x										
142	10															
460	6															

Enzymes in Network Modules

Phosphatases: 84

module	n
4	20
3	16
2	14
10	11
7	10
9	6
13	3
6	2
16	2

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

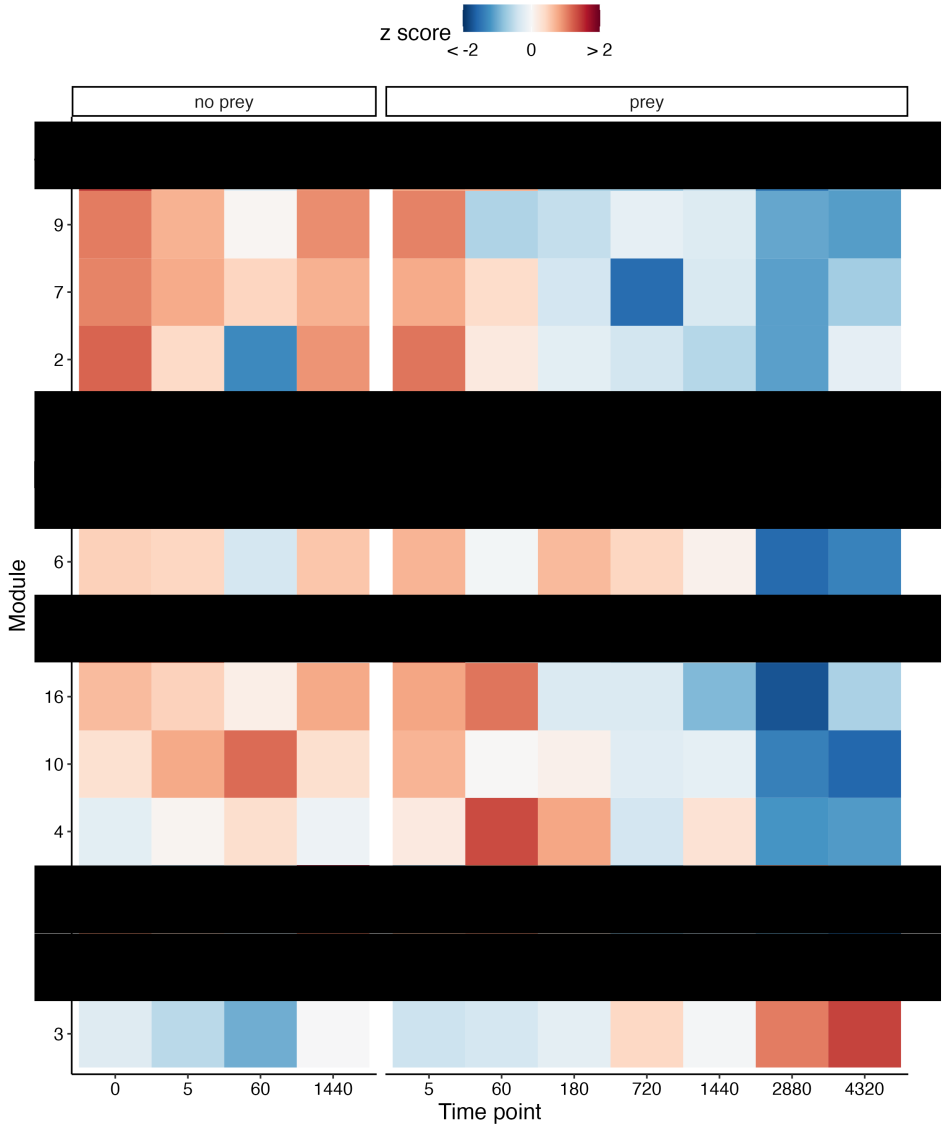


Enzymes in Network Modules

Proteases: 34

module	n
2	13
3	7
9	4
7	3
4	2
6	2
16	2
10	1

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

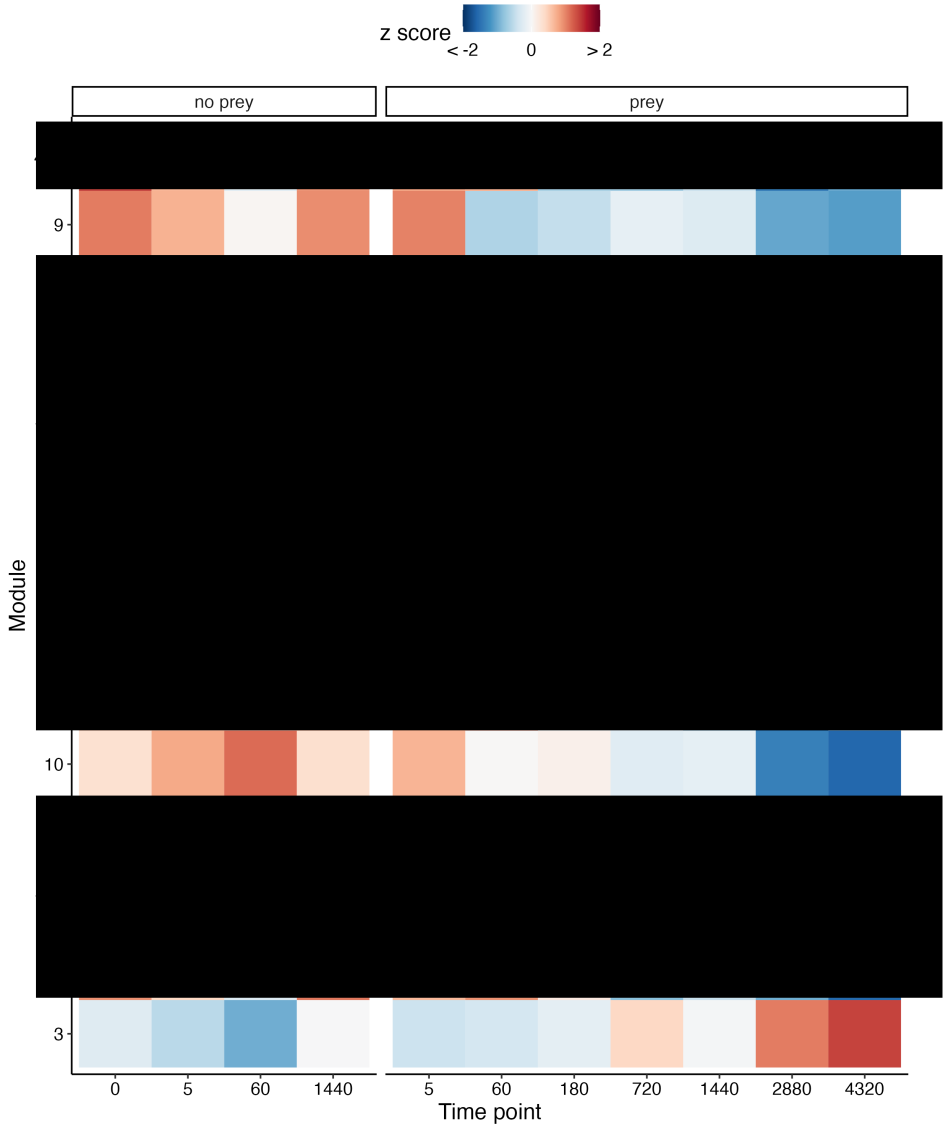


Enzymes in Network Modules

Chitinases: 8

module	n
3	6
9	1
10	1

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

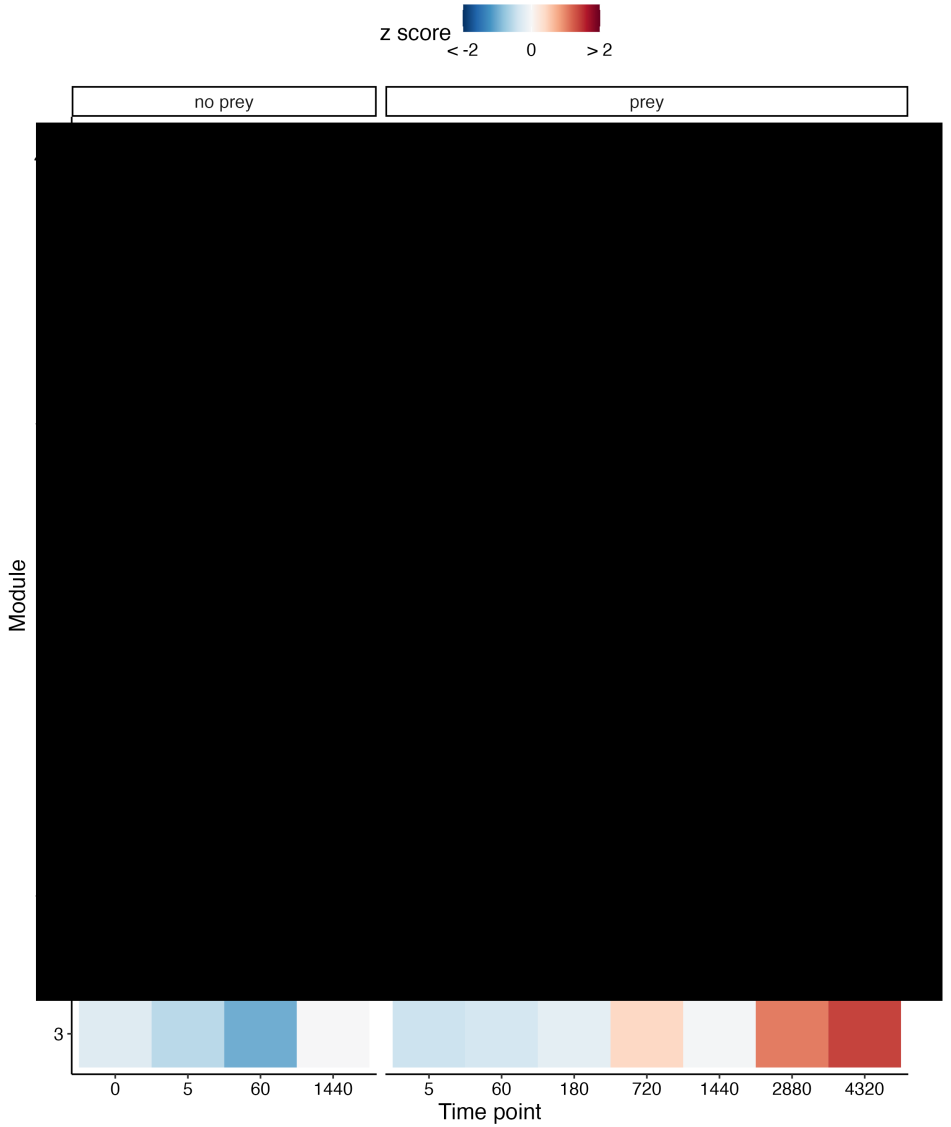


Enzymes in Network Modules

Glucanases: 2

module	n
3	2

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

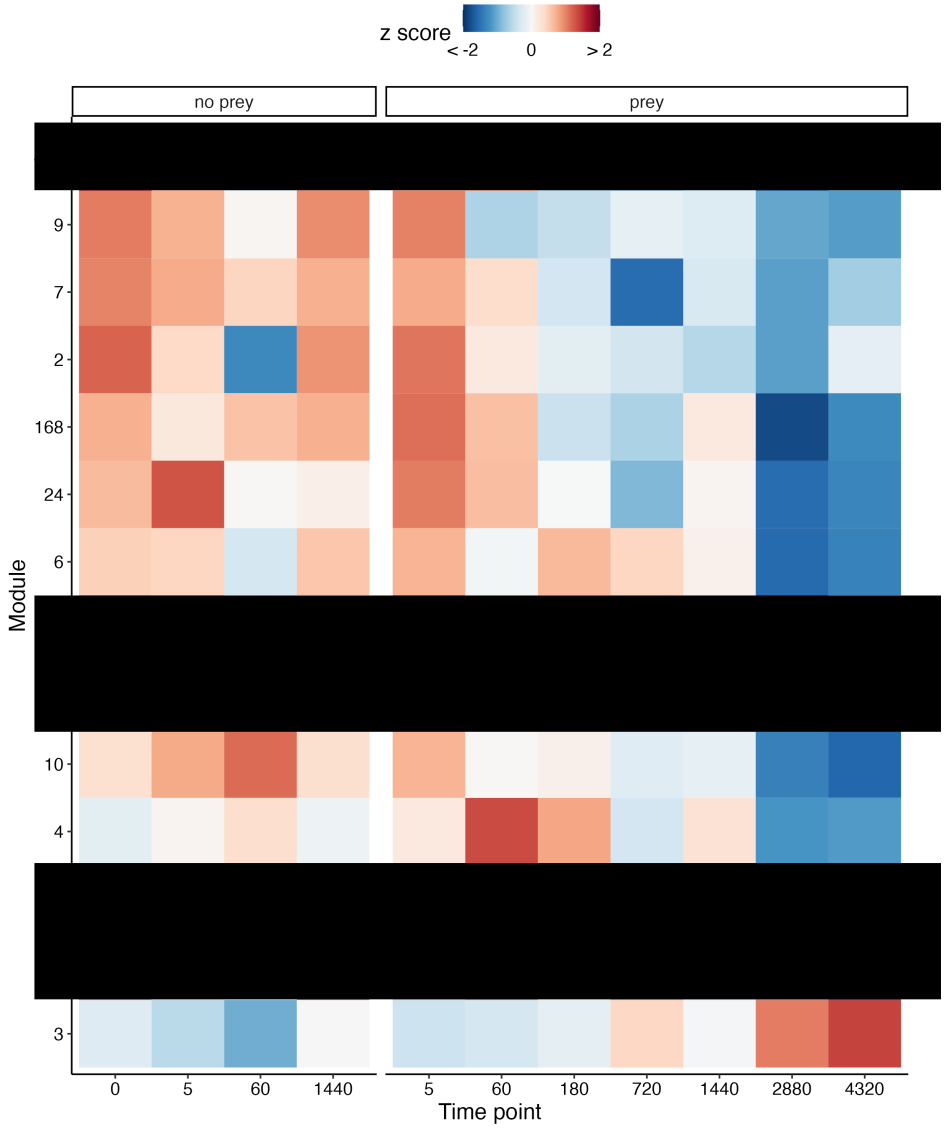


Enzymes in Network Modules

Esterases: 37

module	n
3	12
10	8
4	7
7	3
2	2
6	2
9	1
24	1
168	1

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

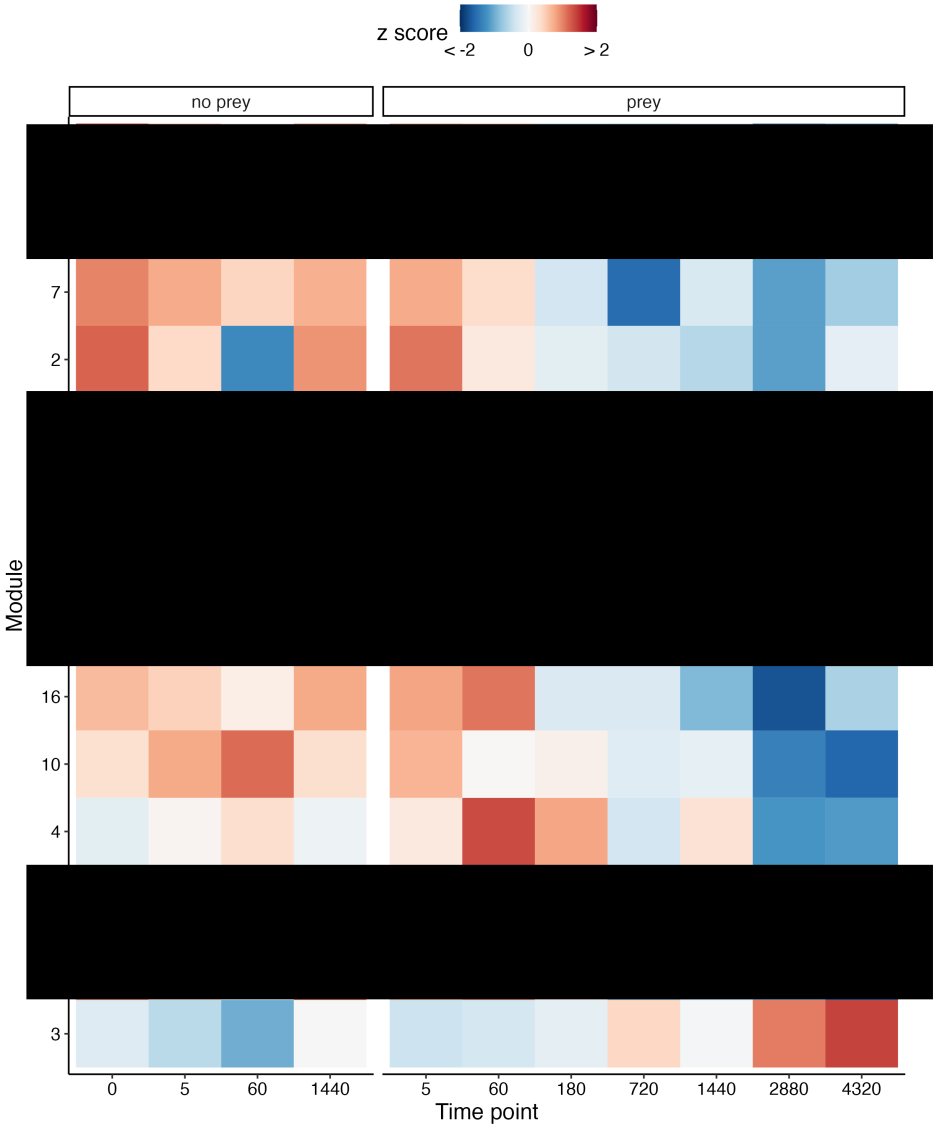


Enzymes in Network Modules

Peroxidases: 18

module	n
3	5
4	5
7	3
10	3
2	1
16	1

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

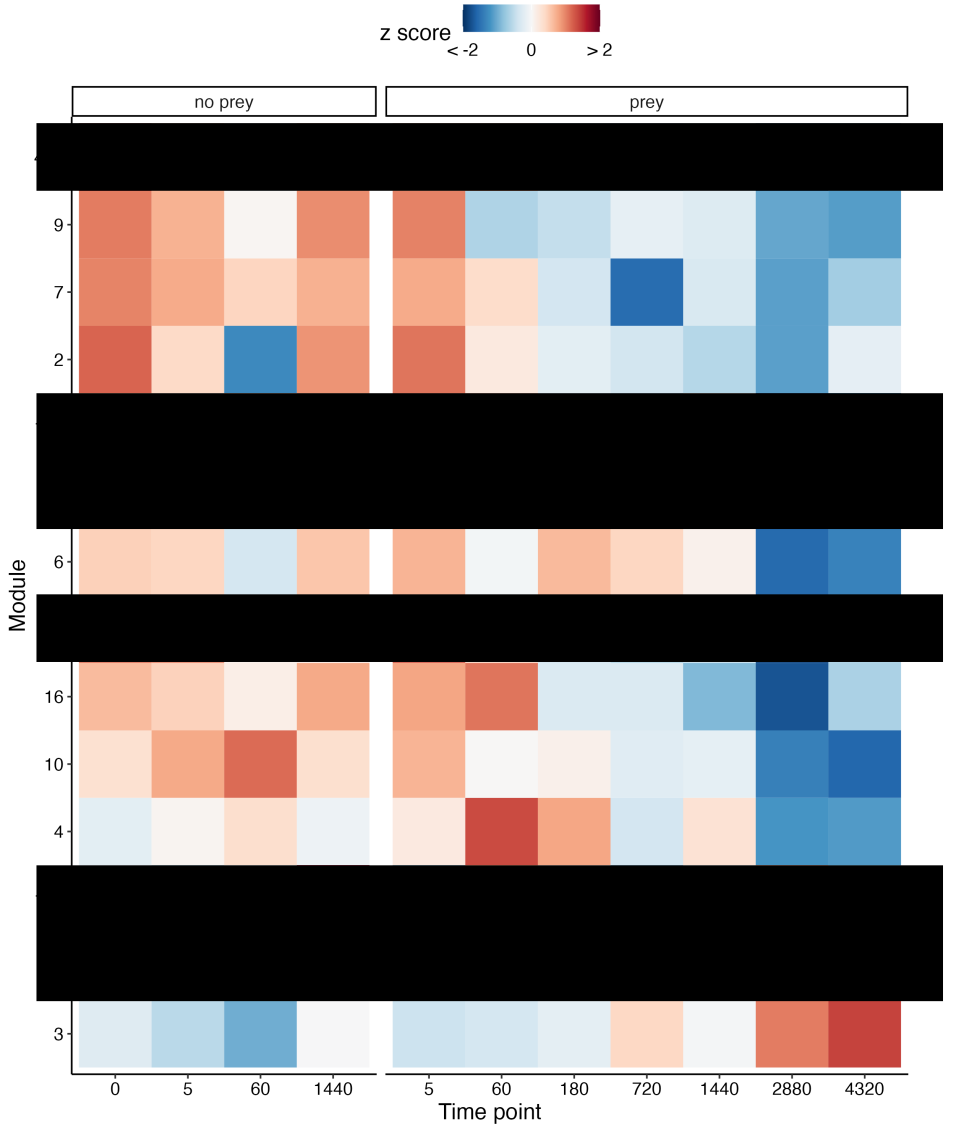


Enzymes in Network Modules

Nucleases: 27

module	n
3	10
2	5
7	3
10	3
16	3
4	1
6	1
9	1

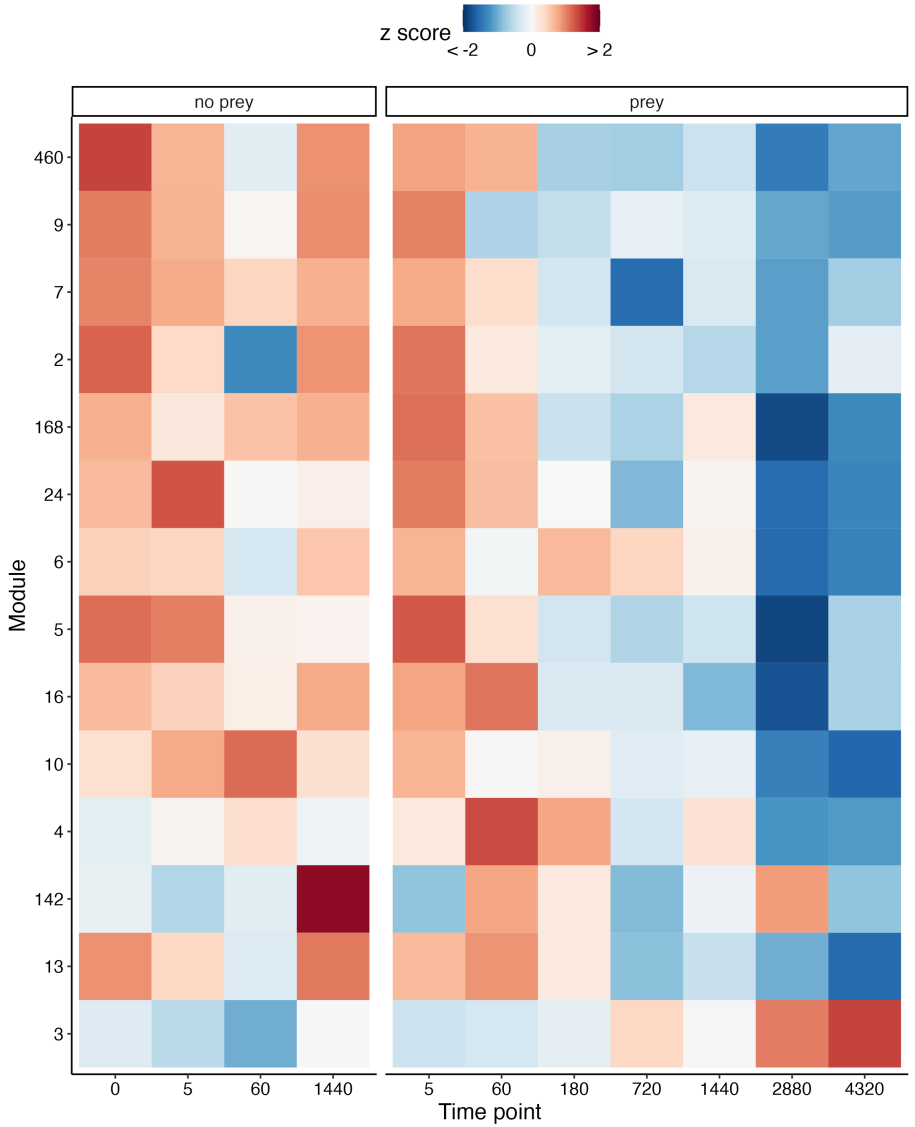
module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6



Enzymes in Network Modules

Glucosaminidases: 0

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

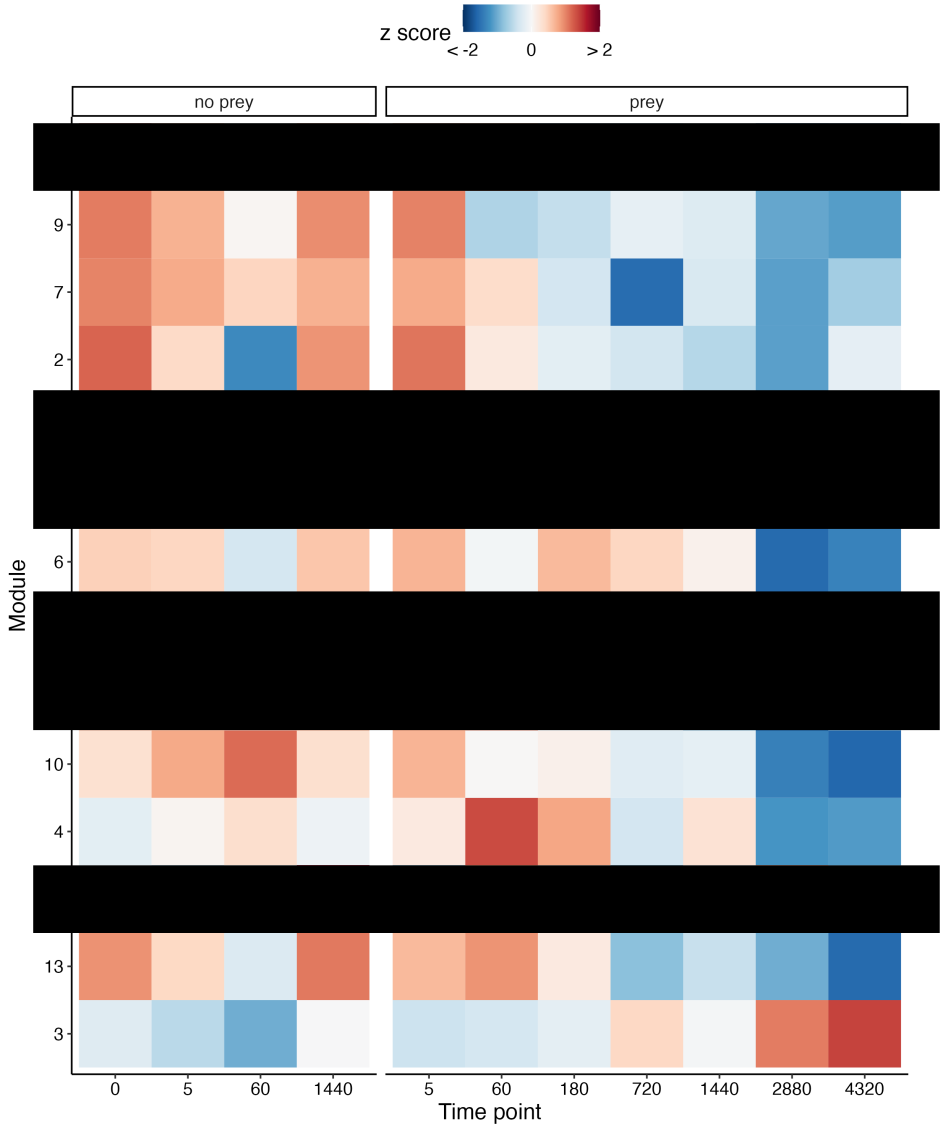


Enzymes in Network Modules

Glucosidases: 13

module	n
10	3
3	2
4	2
13	2
2	1
6	1
7	1
9	1

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

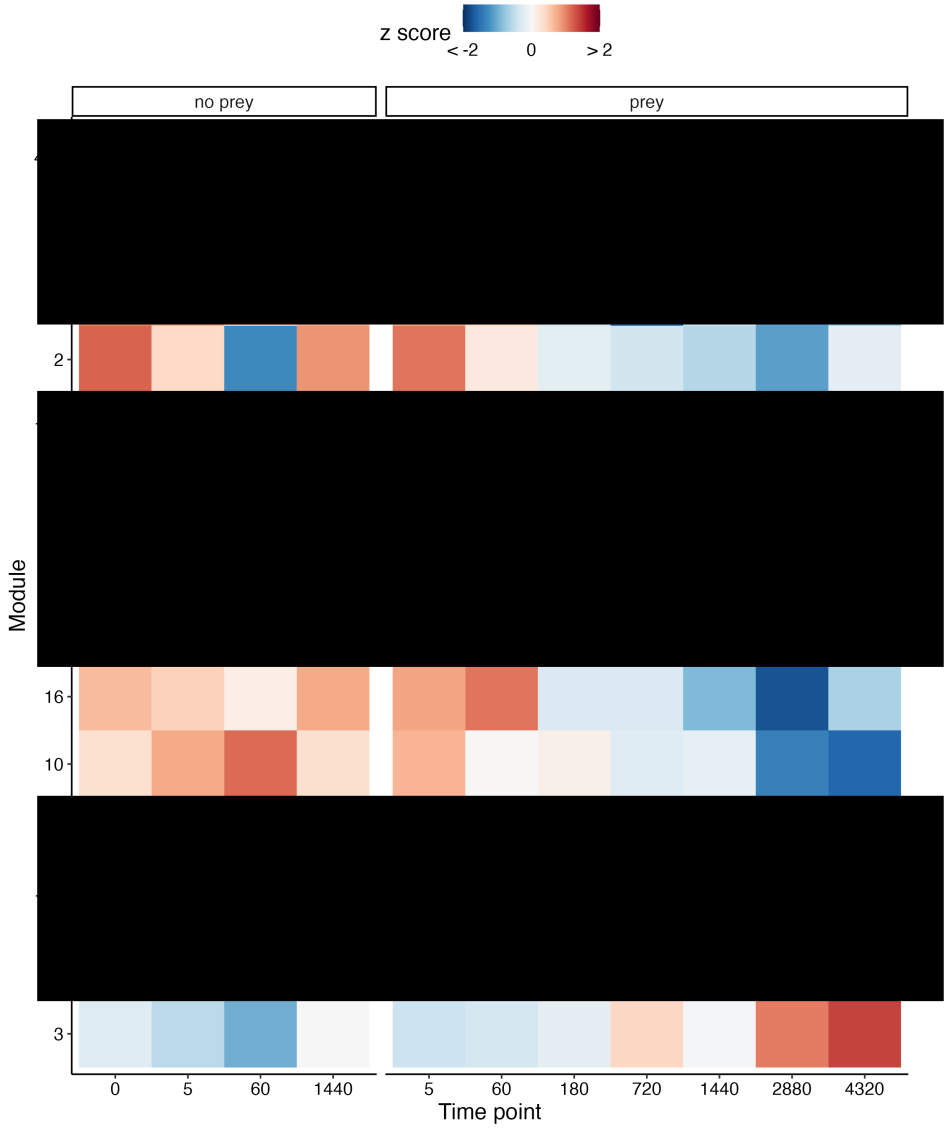


Enzymes in Network Modules

Amlyases: 16

module	n
2	8
3	4
10	2
16	2

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

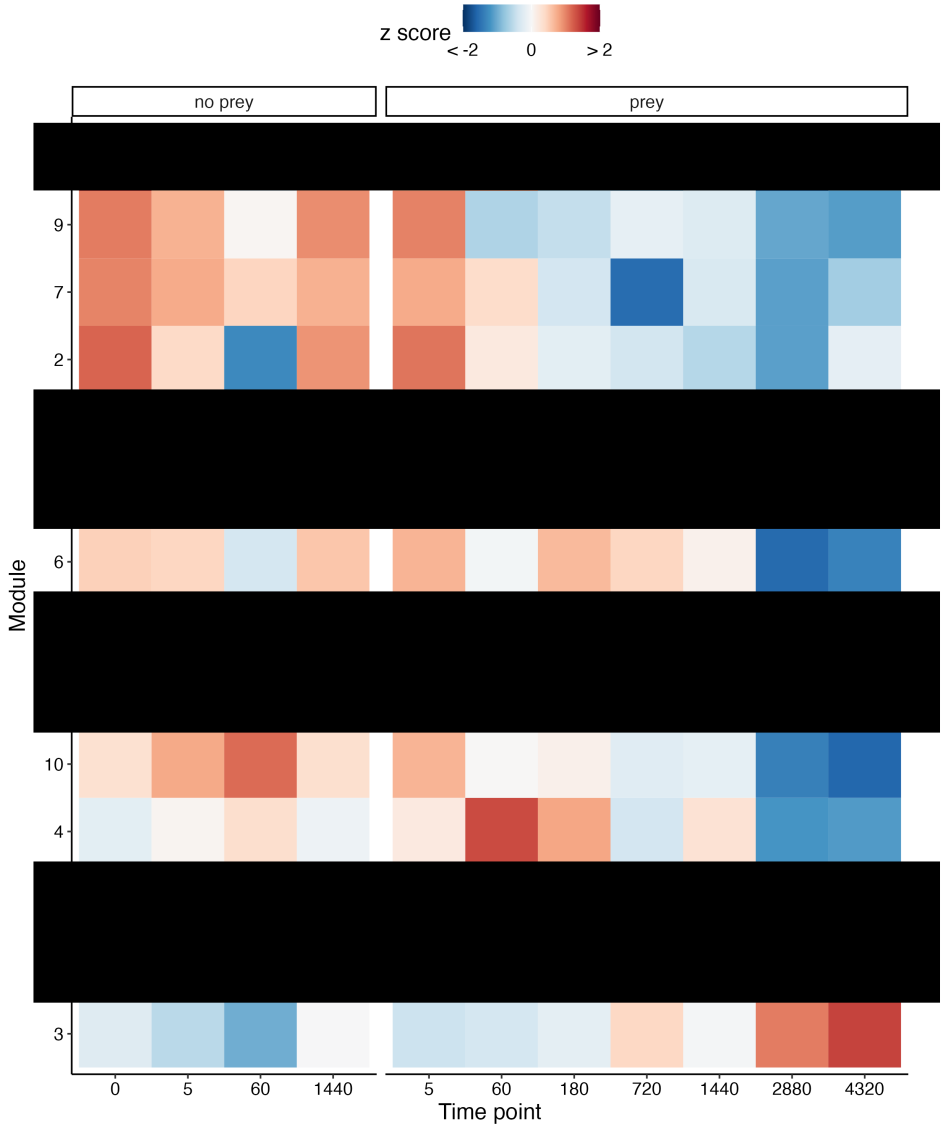


Enzymes in Network Modules

Lipases: 31

module	n
3	8
4	6
9	5
10	5
6	3
2	2
7	2

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

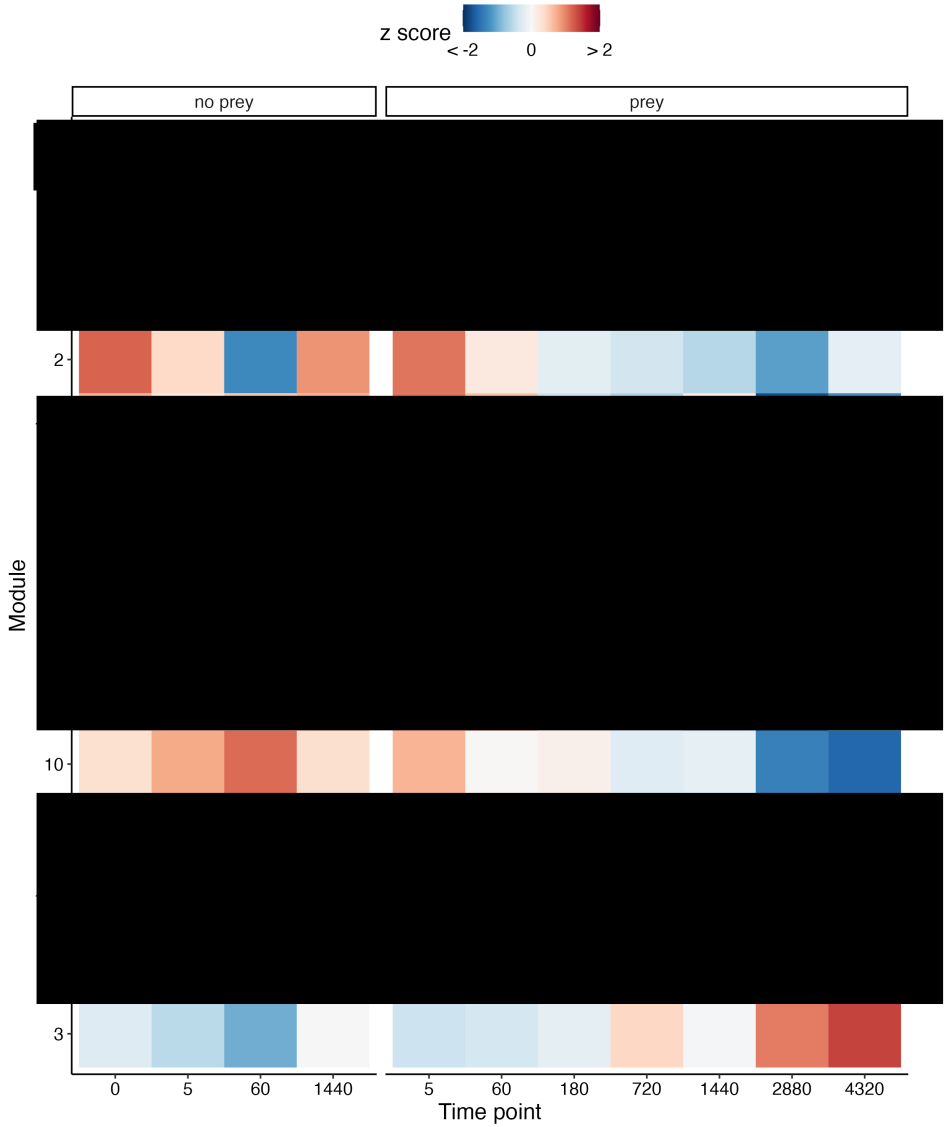


Enzymes in Network Modules

Ribonucleases: 9

module	n
3	6
2	2
10	1

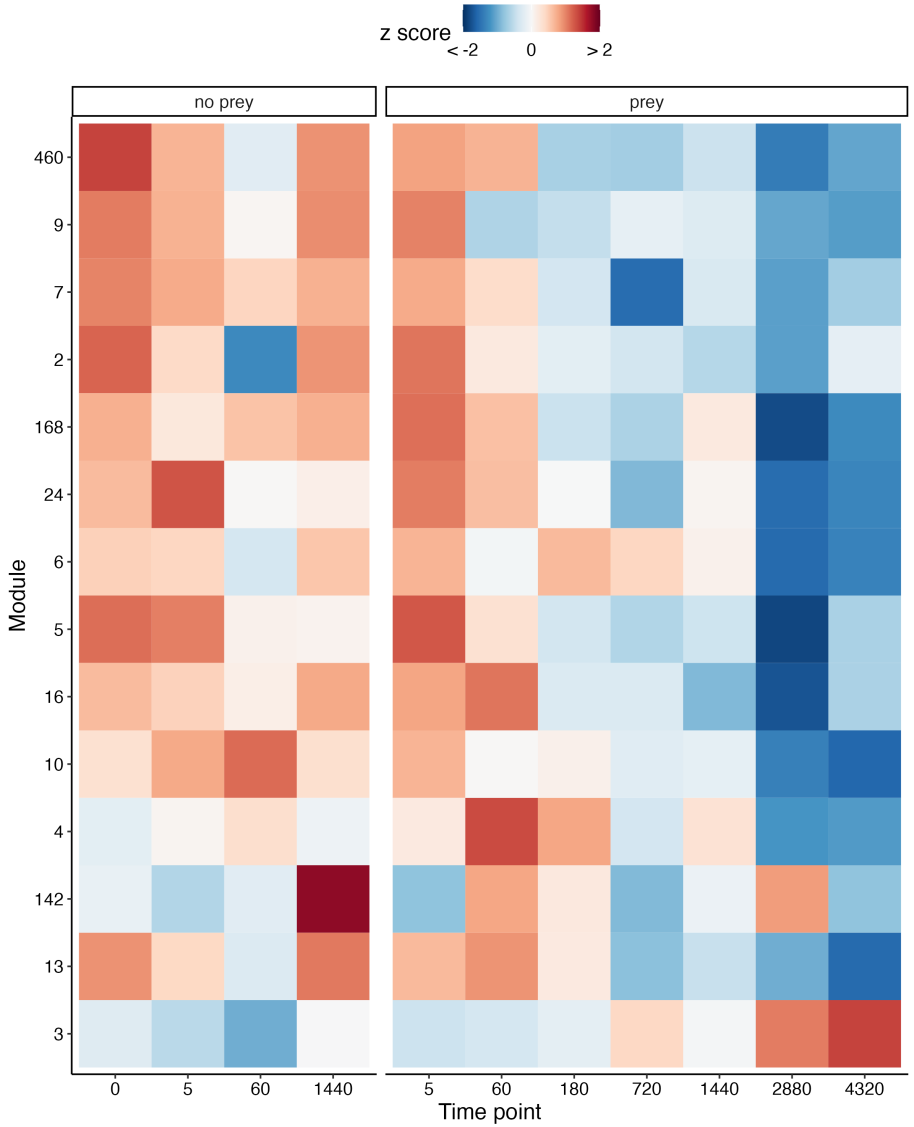
module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6



Enzymes in Network Modules

Phosphoamidases: 0

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6

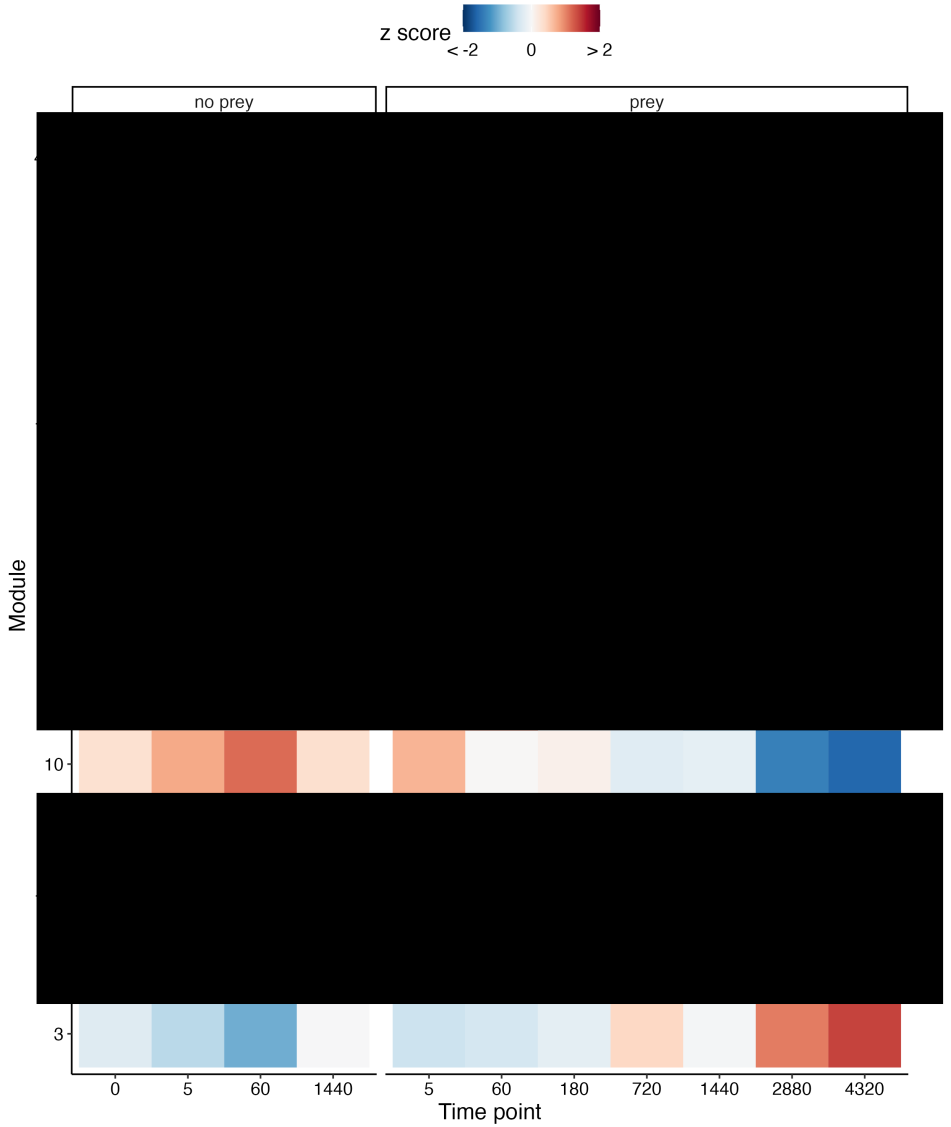


Enzymes in Network Modules

Xylosidases: 2

module	n
3	1
10	1

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6



Enzymes in Network Modules

Ureases: 3

module	n
2	1
10	1
16	1

module	n
3	3009
2	1684
4	1455
10	1239
7	750
9	668
6	531
16	418
13	178
5	36
24	35
168	22
142	10
460	6