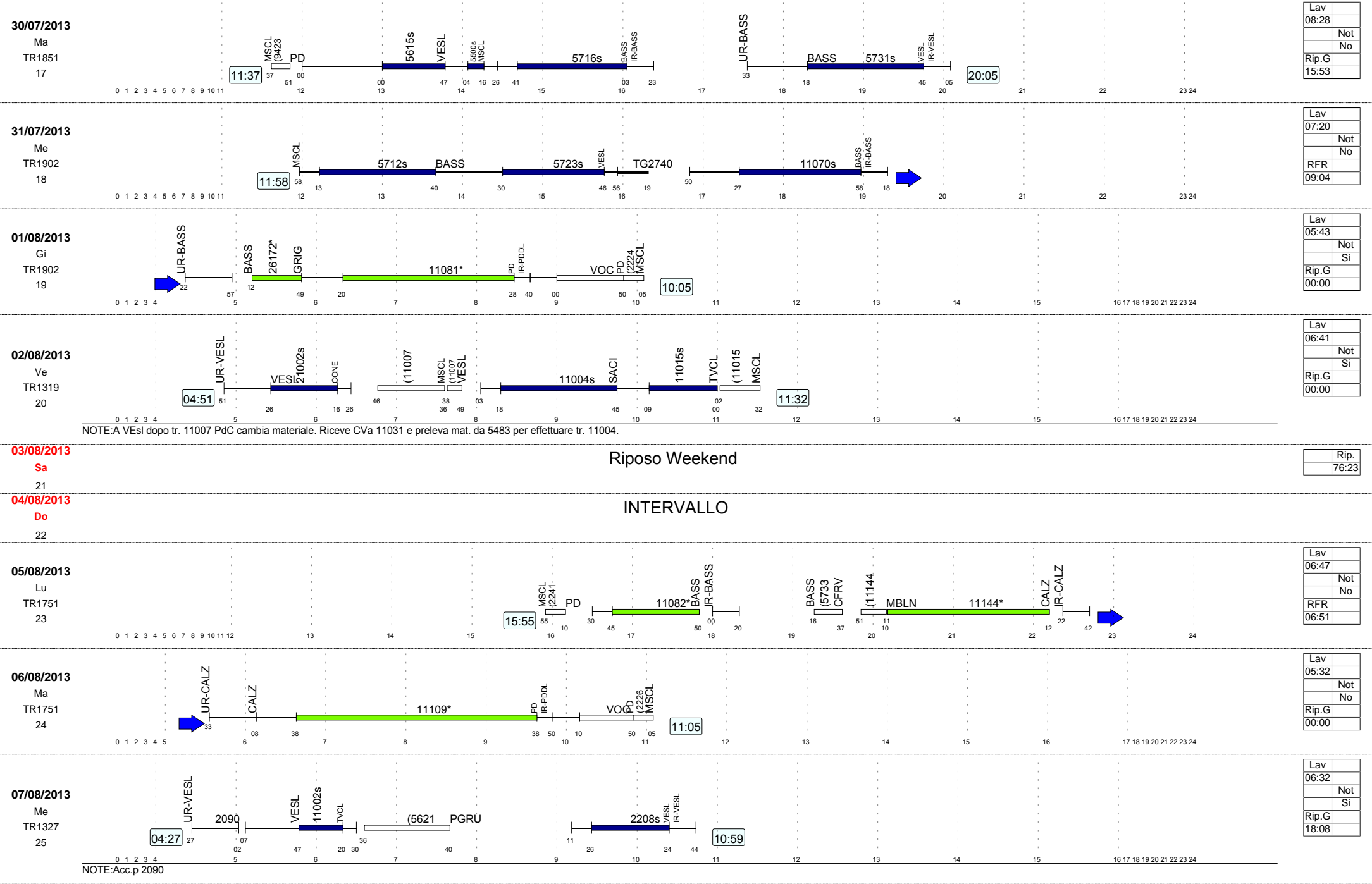


14/07/2013	INTERVALLO														
Do															
1															
15/07/2013	FERIE														
Lu															
2															
16/07/2013	FERIE														
Ma															
3															
17/07/2013	FERIE														
Me															
4															
18/07/2013	FERIE														
Gi															
5															
19/07/2013	FERIE														
Ve															
6															
20/07/2013	Riposo			<table><tr><td></td><td>Rip.</td></tr><tr><td></td><td>48:00</td></tr></table>		Rip.		48:00							
	Rip.														
	48:00														
Sa															
7															
21/07/2013	INTERVALLO														
Do															
8															
22/07/2013	FERIE														
Lu															
9															
23/07/2013	FERIE														
Ma															
10															
24/07/2013	FERIE														
Me															
11															
25/07/2013	FERIE														
Gi															
12															
26/07/2013	FERIE														
Ve															
13															
27/07/2013	Riposo Weekend			<table><tr><td></td><td>Rip.</td></tr><tr><td></td><td>62:23</td></tr></table>		Rip.		62:23							
	Rip.														
	62:23														
Sa															
14															
28/07/2013	INTERVALLO														
Do															
15															
29/07/2013	<div><div><div>14:23</div><div>23</div><div>MSCL</div><div>(2211</div><div>16</div><div>16</div><div>56'</div><div>17</div><div>2468s</div><div>007</div><div>18</div><div>2469s</div><div>56</div><div>20</div><div>VESL</div><div>IR-VESL</div><div>16</div><div>VOC</div><div>VESL</div><div>1557</div><div>MSCL</div><div>40</div><div>52</div><div>07</div><div>21</div><div>2244s</div><div>17</div><div>27</div><div>21:27</div><div>22</div></div><div><div>23</div><div>15</div><div>16</div><div>17</div><div>18</div><div>19</div><div>20</div><div>16</div><div>40</div><div>52</div><div>21</div><div>22</div><div>23</div><div>24</div></div></div>		<table><tr><td>Lav</td><td></td></tr><tr><td>07:04</td><td></td></tr><tr><td></td><td>Not</td></tr><tr><td></td><td>No</td></tr><tr><td>Rip.G</td><td></td></tr><tr><td>14:10</td><td></td></tr></table>	Lav		07:04			Not		No	Rip.G		14:10	
Lav															
07:04															
	Not														
	No														
Rip.G															
14:10															
Lu															
TR2989															
16															



Lav	
08:28	
	Not
	No
Rip.G	
15:53	

Lav	
07:20	
	Not
	No
RFR	
09:04	

Lav	
05:43	
	Not
	Si
Rip.G	
00:00	

Lav	
06:41	
	Not
	Si
Rip.G	
00:00	

	Rip.
	76:23

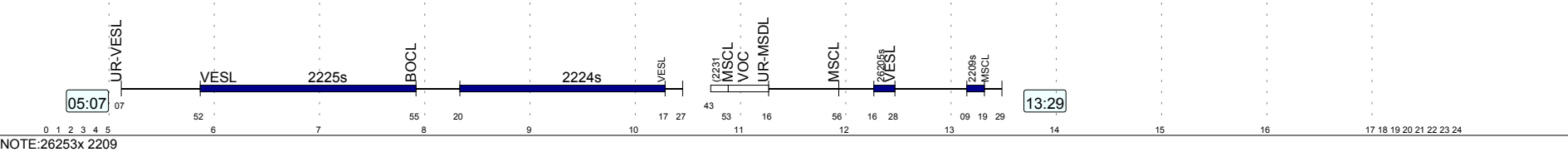
Lav	
06:47	
	Not
	No
RFR	
06:51	

Lav	
05:32	
	Not
	No
Rip.G	
00:00	

Lav	
06:32	
	Not
	Si
Rip.G	
18:08	

08/08/2013

Gi  
TR1871  
26



Lav	
08:22	
	Not
	No
Rip.G	
00:00	

09/08/2013

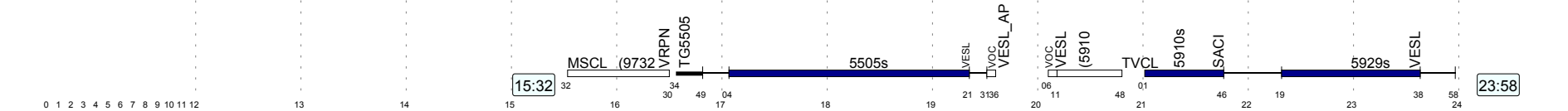
Ve  
27

Riposo

	Rip.
	50:03

10/08/2013

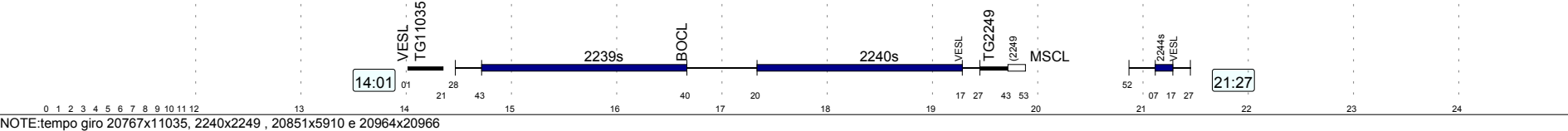
Sa  
TR1408  
28



Lav	
08:26	
	Not
	No
Rip.G	
14:03	

11/08/2013

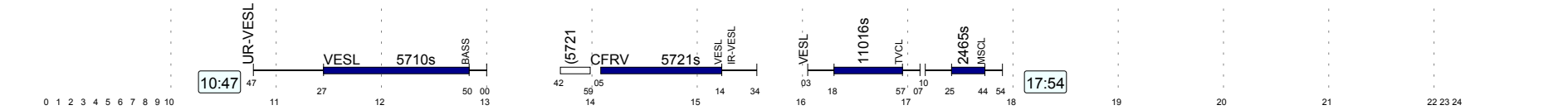
Do  
TR1846  
29



Lav	
07:26	
	Not
	No
Rip.G	
13:20	

12/08/2013

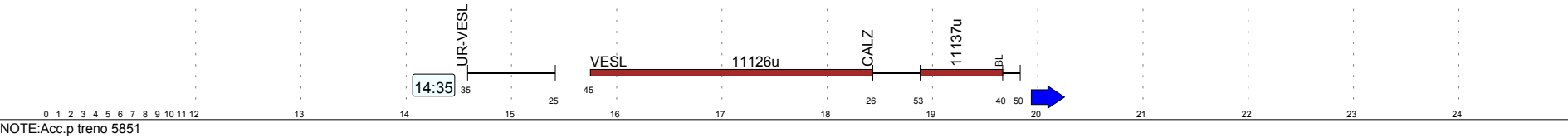
Lu  
TR1892  
30



Lav	
07:07	
	Not
	No
Rip.G	
20:41	

13/08/2013

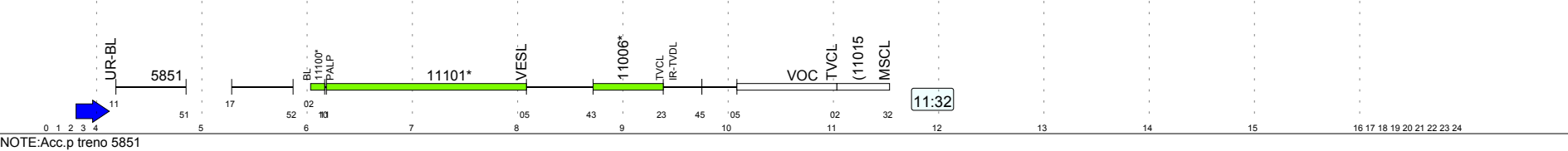
Ma  
TR1086  
31



Lav	
05:15	
	Not
	No
Rip.G	
08:21	

14/08/2013

Me  
TR1086  
32



Lav	
07:21	
	Not
	Si
Rip.G	
00:00	

15/08/2013

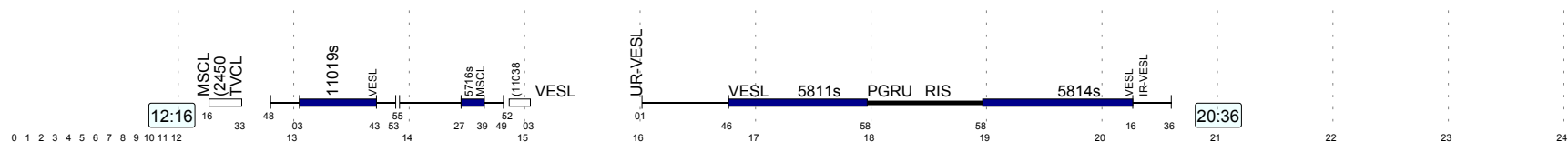
Gi  
33

Riposo

	Rip.
	48:44

16/08/2013

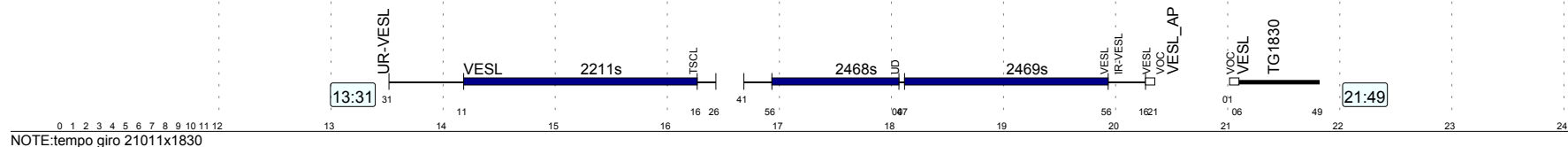
Ve  
TR1889  
34



Lav	
08:20	
	Not
	No
Rip.G	
16:55	

17/08/2013

Sa  
TR1406  
35



Lav	
08:18	
	Not
	No
Rip.G	
25:37	

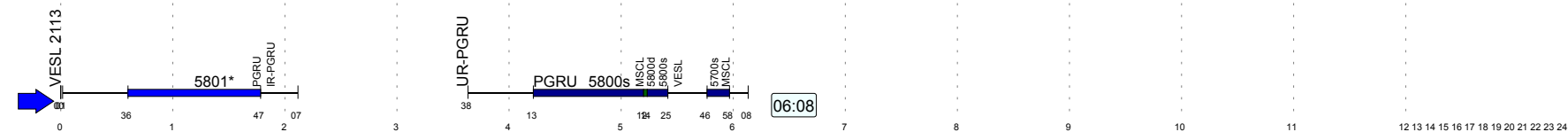
18/08/2013

Do  
TR1308  
36



19/08/2013

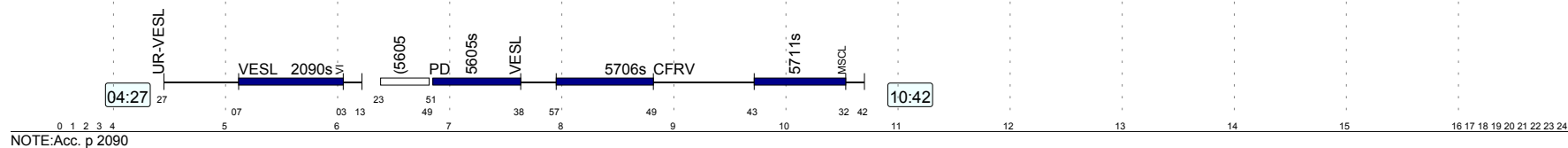
Lu  
TR1308  
37



Lav	
06:42	
	Not
	Si
Rip.G	
22:19	

20/08/2013

Ma  
TR1343  
38



Lav	
06:15	
	Not
	Si
Rip.G	
00:00	

21/08/2013

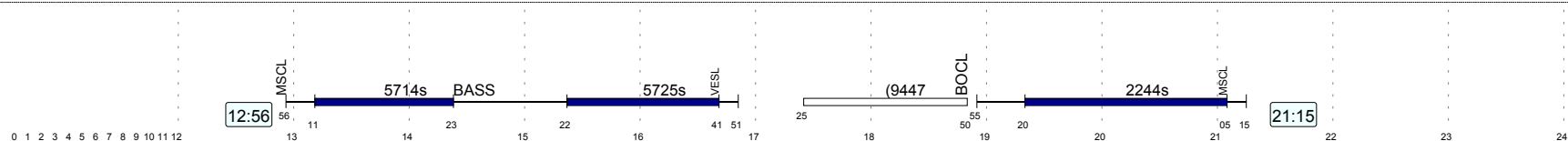
Me  
39

Riposo

	Rip.
	50:14

22/08/2013

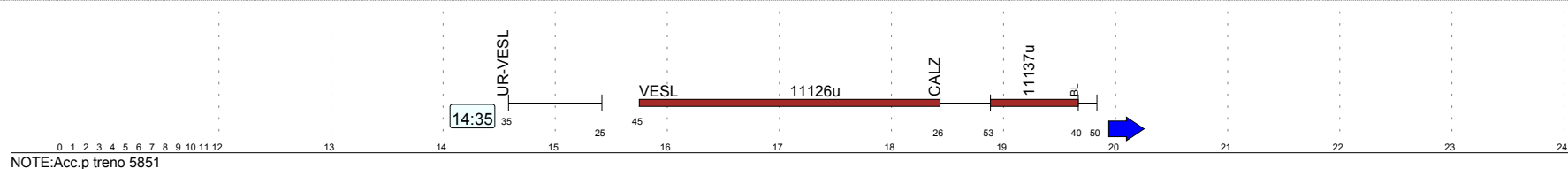
Gi  
TR1852  
40



Lav	
08:19	
	Not
	No
Rip.G	
17:20	

23/08/2013

Ve  
TR1086  
41



Lav	
05:15	
	Not
	No
RFR	
08:21	

Genomic map of chromosome 11 showing gene locations and a blue arrow indicating the position of the 5851 variant. The map includes the following genes and their approximate positions (in Mb):

- UR-BL (0.11)
- 5851 (0.51)
- BL (0.17)
- 1100\* (0.52)
- PALP (0.10)
- 11101\* (0.70)
- VESL (0.85)
- 11006\* (0.93)
- TVCL (1.23)
- IRTVDL (1.25)
- VOC (1.45)
- TVCL (1.52)
- 11015 (1.52)
- MSCL (1.52)

The blue arrow points to the 5851 variant, which is located on the UR-BL gene. The variant is labeled as 11:5851.

NOTE: Acc.p treno 5851

Genomic map of the VESL gene region on chromosome 12. The map shows the VESL gene structure with exons and introns. Key features include the VESL gene, the 2237s and 2244s SNPs, the 2238 and 2243s SNPs, and the RO and MSCL genes. The map is divided into two sections: 13:03 and 21:15. The scale bar at the bottom indicates positions from 0 to 24.

## Riposo

NOTE:mat. 5500 x 5515

Timeline diagram showing the sequence of events for the 11:58 AM train. The timeline starts at 11:58 AM at MSCL (12:13) and ends at 12:00 PM at BASS (18:18). Key events include: 5712s at BASS (14:40), 5723s at VESL (15:48), and 11070s at BASS (18:18). The train is shown as a blue bar with a black arrow pointing right.

Figure 1: Schematic representation of the 48-hour time scale. The timeline is divided into three segments: 0-14 hours (light blue), 15-18 hours (light green), and 19-24 hours (light red). Key events are marked: MSCL (Midnight Sleep Cycle Limit) at 15:32, M1CL (Midnight 1 Cycle Limit) at 17:55, and M2CL (Midnight 2 Cycle Limit) at 23:49. The duration between MSCL and M1CL is 9732 seconds, and the duration between M1CL and M2CL is 2113 seconds.

02/09/2013

Lu

51

03/09/2013

Ma

52

INTERVALLO

Riposo

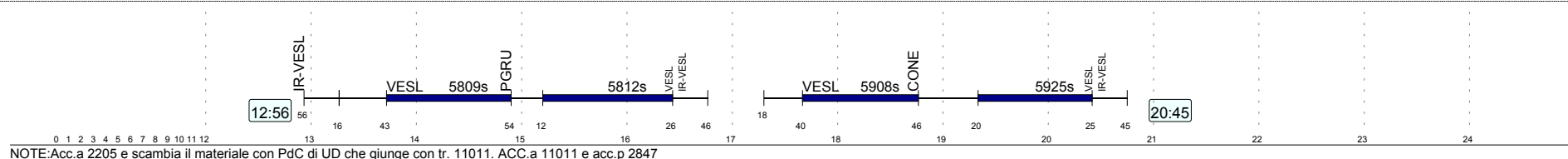
	Rip.
	61:07

04/09/2013

Me

TR1867

53



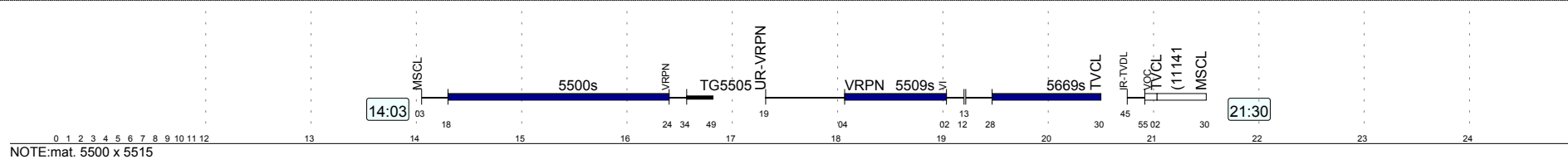
Lav	
07:49	
	Not
	No
Rip.G	
17:18	

05/09/2013

Gi

TR1772

54



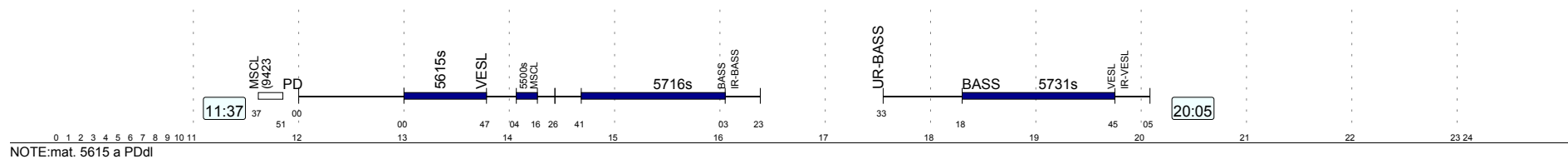
Lav	
07:27	
	Not
	No
Rip.G	
14:07	

06/09/2013

Ve

TR1851

55



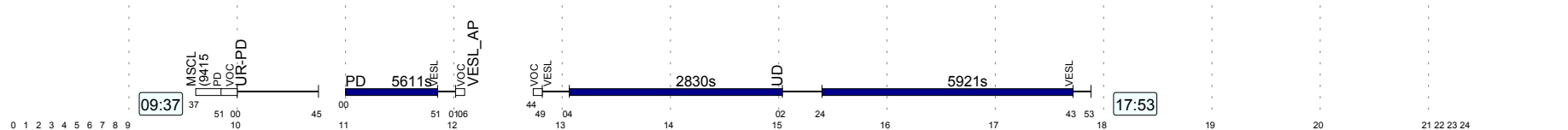
Lav	
08:28	
	Not
	No
Rip.G	
13:32	

07/09/2013

Sa

TR1439

56



Lav	
08:16	
	Not
	No
Rip.G	
00:00	

08/09/2013

Do

57

NON ASSEGNATO

09/09/2013

Lu

58

Riposo

	Rip.
	00:00

10/09/2013

Ma

59

NON ASSEGNATO

11/09/2013

Me

60

NON ASSEGNATO

12/09/2013

Gi

61

NON ASSEGNATO

13/09/2013

Ve

62

NON ASSEGNATO

14/09/2013	NON ASSEGNATO					
Sa						
63						
15/09/2013	Riposo Quantitativo	<table><tr><td></td><td>Rip.</td></tr><tr><td></td><td>00:00</td></tr></table>		Rip.		00:00
	Rip.					
	00:00					
Do						
64						
16/09/2013	NON ASSEGNATO					
Lu						
65						
17/09/2013	NON ASSEGNATO					
Ma						
66						
18/09/2013	NON ASSEGNATO					
Me						
67						
19/09/2013	NON ASSEGNATO					
Gi						
68						
20/09/2013	NON ASSEGNATO					
Ve						
69						
21/09/2013	Riposo Weekend	<table><tr><td></td><td>Rip.</td></tr><tr><td></td><td>00:00</td></tr></table>		Rip.		00:00
	Rip.					
	00:00					
Sa						
70						
22/09/2013	NON ASSEGNATO					
Do						
71						
23/09/2013	NON ASSEGNATO					
Lu						
72						
24/09/2013	NON ASSEGNATO					
Ma						
73						
25/09/2013	NON ASSEGNATO					
Me						
74						
26/09/2013	NON ASSEGNATO					
Gi						
75						
27/09/2013	NON ASSEGNATO					
Ve						
76						
28/09/2013	Riposo Weekend	<table><tr><td></td><td>Rip.</td></tr><tr><td></td><td>00:00</td></tr></table>		Rip.		00:00
	Rip.					
	00:00					
Sa						
77						
29/09/2013	NON ASSEGNATO					
Do						
78						
30/09/2013	NON ASSEGNATO					
Lu						
79						
01/10/2013	NON ASSEGNATO					
Ma						
80						

02/10/2013	Me	NON ASSEGNATO					
81							
03/10/2013	Gi	NON ASSEGNATO					
82							
04/10/2013	Ve	Riposo	<table><tr><td></td><td>Rip.</td></tr><tr><td></td><td>00:00</td></tr></table>		Rip.		00:00
	Rip.						
	00:00						
83							
05/10/2013	Sa	NON ASSEGNATO					
84							
06/10/2013	Do	NON ASSEGNATO					
85							
07/10/2013	Lu	NON ASSEGNATO					
86							
08/10/2013	Ma	NON ASSEGNATO					
87							
09/10/2013	Me	NON ASSEGNATO					
88							
10/10/2013	Gi	Riposo	<table><tr><td></td><td>Rip.</td></tr><tr><td></td><td>00:00</td></tr></table>		Rip.		00:00
	Rip.						
	00:00						
89							
11/10/2013	Ve	NON ASSEGNATO					
90							
12/10/2013	Sa	NON ASSEGNATO					
91							