

Additional file 5 - (Additional_file_5.pdf) Peptide data from the separation of 30 kDa lipoproteins from *B. mori* by 1D-PAGE and identification by LC-MS/MS or LC-MS^E.

Sequence	LP1	LP2	LP3	LP4	LP5	L301	L302
Day 0, peripheral, 29 kDa							
LYNSILTGDYDSAVR		X		X	X		X
LGPTLDPANER				X			X
VIFGTNTADTTR							X
EQWFLQPTK				X			X
VIFTEQTVK	X						
FTPVLNNR	X						
IYGDSTADTFK	X						
Day 0, peripheral, 30 kDa							
FITLWENNR		X			X		X
LYNSILTGDYDSAVR		X		X	X		X
YENDVLFFIYNR		X		X	X		X
YFPLSFR		X					
EQWFFQPAK		X			X		
LIMAGNYVK		X			X		
QFNDALELGATIVNASGDR		X			X		
VVYGGNSADSTR		X			X		
KSEVITNVVNK			X			X	
LGPTLDPANER							X
LWVGNGQEIVR					X		
SEVITNVVNK			X			X	
SLEYESQGQGSIVQNVVNNLIIDK		X					
AQWYLQPAK			X			X	
MAWGYNGR			X			X	
Day 0, peripheral, 31 kDa							
FITLWENNR		X			X		X
LYNSILTGDYDSAVR		X		X	X		X
EQWFFQPAK		X			X		
VVYGGNSADSTR		X			X		
KSEVITNVVNK			X			X	
LIALWENNK			X			X	
SEVITNVVNK			X			X	
SKHLYEEK			X			X	
YDNDVLFFIYNR			X			X	
AQWYLQPAK			X			X	
MAWGYNGR			X			X	
Day 0, perivisceral, 29 kDa							
FITLWENNR		X			X		X
LWVGNGQDIVK		X					
LYNSILTGDYDSAVR		X		X	X		X
YENDVLFFIYNR		X		X	X		X
EQWFFQPAK		X			X		
LGPTLDPANER				X			X
LWVGNGQEIVR					X		
LWVGNGQHIVR				X			X
LYNSILTGDYDSAVR		X		X	X		X
YFPLNFR					X		

EQWFLQPTK				X			X
NYNLALK		X		X	X		X
QSLEYENQGK				X			X
Day 0, perivisceral, 29 kDa							
FTPVLENNR	X						
SYFPIQFR	X						
VSWK	X		X			X	
IYGDSTADTFK	X						
NTMDFAYQLWTK	X						
VIFTEQTVK	X						
FITLWENNR		X			X		X
GSIIQNVVNNLIIDK					X		
LGPTLDPANER				X			X
LWVGNGQDIVK		X					
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X		X
SLEYESQGQGSIVQNVVNNLIIDK		X					
YENDVLFFIYNR		X		X	X		X
YFPLNFR					X		
EQWFLQPTK				X			X
KYFPLNFR					X		
LIMAGNFVK				X			X
NYNLALK		X		X	X		X
QFNDALELGTIVNASGDR		X			X		
QSLEYESQGK					X		
VIFGTNTADTTR							X
VVYGGNSADSTR		X			X		
Day 0, perivisceral, 31 kDa							
FITLWENNR		X			X		X
GSIIQNVVNNLIIDK					X		
GSIIQNVVNNLIIDKR					X		
KSEVITNVVNK			X			X	
LIALWENNK			X			X	
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X		X
YDNDVLFFIYNR			X			X	
YFPLSFR		X					
EQWFFQPAK		X			X		
MAWGYNGR			X			X	
VIGSPEHYAWGIK			X			X	
VVYGGNSADSTR		X			X		
Day 1, peripheral, 29 kDa							
GSIIQNVVNNLIIDK					X		
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X		X
EQWFFQPAK		X			X		
QSLEYESQGK					X		
FITLWENNR		X			X		X
HTELVSWK					X		
KSEVITNVVNK			X			X	

LGPTLDPANER				X			X
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X		X
AQWYLQPAK			X			X	
VIFGTNTADTTR							X
VVYGGNSADSTR		X			X		
Day 1, peripheral, 31 kDa							
FITLWENNR		X			X		X
LYNSILTGDYDSAVR		X		X	X		X
EQWFFQPAK		X			X		
KSEVITNVVNK			X			X	
LIALWENNK			X			X	
LWVGNGQEIVR					X		
YDNDVLFYIYNR			X			X	
AQWYLQPAK			X			X	
LIMAGNYVK					X		
MAWGYNGR			X			X	
Day 1, hemolymph, 26 kDa							
FTPVLENNR	X						
IMSTEDKQYLK	X						
RNTMDFAYQLWTK	X						
SYFPIQFR	X						
EALGHSGEVSGYPQLFAWYIVPY	X						
EYNSVMTLDEDMANEDR	X						
IYGDSTADTFK	X						
NTMDFAYQLWTK	X						
TDDVLAEQLYMSVVIGEYETAIK	X						
VIFTEQTVK	X						
LIMAGNFVK				X			X
EKNSDLISWK				X			X
FITLWENNR		X			X		X
GSIIQNVVNNLIIDGSR				X			X
GSIIQNVVNNLIIDK					X		
HTELVSWK					X		
LGPTLDPANER				X			X
LWVGNGQHIVR				X			X
LYNSILTGDYDSAVR		X		X	X		X
YENDVLFYIYNR		X		X	X		X
YFPYNFR				X			X
EQWFFQPAK					X		
EQWFLQPTK				X			X
KYFPYNFR				X			X
LIMAGNFVK				X			X
LIMAGNYVK		X			X		
NYNLALK		X		X	X		X
QSLEYENQ GK				X			X
VIFGTNTADTTR							X
Day 1, hemolymph, 30 kDa							
FTPVLENNR	X						
IMSTEDKQYLK	X						

EALGHSGEVSGYPQLFAWYIVPY	x						
EYNSVMTLDEDMAANEDR	x						
IYGDSTADTFK	x						
NTMDFAYQLWTK	x						
TDDVLAEQLYMSVVIGEYETAIK	x						
VIFTEQTVK	x						
FITLWENNR		x			x		x
GSIIQNVVNNLIIDGSR				x			x
GSIIQNVVNNLIIDK					x		
GSIIQNVVNNLIIDKR					x		
HTELVSWK					x		
KSEVITNVVVK			x			x	
KYFPLSFR		x					
LGPTLDPANER				x			x
LGSTTNPSNER		x			x		
LIALWENNK			x			x	
LWVGNGQDIVK		x					
LWVGNGQEIVR					x		
LWVGNGQHIVR				x			x
LYNSILTGDYDSAVR		x		x	x		x
LYNSILTGDYDSAVRK		x					
SEVITNVVVK			x			x	
SLEYESQGQGSIVQNVVNNLIIDK		x					
SLEYESQGQGSIVQNVVNNLIIDKR		x					
YDNDVLFYIYNR			x			x	
YENDVLFYIYNR		x		x	x		x
YFPLNFR					x		
YFPYNFR				x			x
AQWYLQPAK			x			x	
DRVVYGGNSADSTR		x			x		
EQWFFQPAK		x			x		
EQWFLQPTK				x			x
IAYGDGVDKHTELVSWK					x		
KSLEYESQGQGSIVQNVVNNLIIDK		x					
KYFPYNFR				x			x
LIFAENAIK			x			x	
LIMAGNFVK				x			x
MAWGYNGR			x			x	
QFNDALELGATIVNASGDR		x			x		
QFNDALELGATIVNASGDRK		x			x		
QSLEYENQGK				x			x
QSLEYESQK					x		
VIFGTNTADTTR							x
VIGSPEHYAWGIK			x			x	
VVYGGNSADSTR		x			x		
Day 1, hemolymph, 31 kDa							
SYFPIQFR	x						
EYNSVMTLDEDMAANEDR	x						
NTMDFAYQLWTK	x						
VIFTEQTVK	x						

LIFAENAIK			X			X	
FITLWENNR		X			X		X
FTPVLNNR	X						
GSIQNVVNNLIIDGSR				X			X
GSIQNVVNNLIIDK					X		
GSIQNVVNNLIIDKR					X		
HTELVSWK					X		
KSEVITNVVNK			X			X	
LGPTLDPANER				X			X
LWVGNGQDIVK		X					
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X		X
SLEYESQGQGSIVQNVVNNLIIDK		X					
SLEYESQGQGSIVQNVVNNLIIDKR		X					
YDNDVLFYIYNR			X			X	
YENDVLFYIYNR		X		X	X		X
YFPLNFR					X		
YFPLSFR		X					
AQWYLQPAK			X			X	
EQWFFQPAK		X			X		
EYNSVMTLDEDMANEDR	X						
IAYGDGVDKHTELVSWK					X		
IYGDSTADTFK	X						
KSLEYESQGQGSIVQNVVNNLIIDK		X					
LIFAENAIK			X			X	
LIMAGNFVK				X			X
LIMAGNYVK		X			X		
MAWGYNGR			X			X	
NYNLALK		X		X	X		X
QFNDALELGTIVNASGDR		X			X		
QFNDALELGTIVNASGDRK		X			X		
QSLEYESQGK					X		
VIFGTNTADTTR							X
VIGSPEHYAWGIK			X			X	
VVYGGNSADSTR		X			X		
Day 1, perivisceral, 29 kDa							
FTPVLNNR	X						
IMSTEDKQYLK	X						
SYFPIQFR	X						
EYNSVMTLDEDMANEDR	X						
IYGDSTADTFK	X						
NTMDFAYQLWTK	X						
VIFTEQTVK	X						
FITLWENNR		X			X		X
GSIQNVVNNLIIDGSR				X			X
GSIQNVVNNLIIDK					X		
LGPTLDPANER				X			X
LWVGNGQDIVK		X					
LWVGNGQEIVR					X		
LWVGNGQHIVR				X			X

LYNSILTGDYDSAVR		X		X	X		X
NSDLISWK				X			X
YENDVLFFIYNR		X		X	X		X
EQWFFQPAK		X			X		
EQWFLQPTK				X			X
LIMAGNYVK		X			X		
QSLEYENQ GK				X			X
QSLEYESQ GK					X		
VIFGTNTADTTR							X
VVYGGNSADSTR		X			X		
Day 1, perivisceral, 30 kDa							
FTPVLENNR	X						
SYFPIQFR	X						
IYGDSTADTFK	X						
FITLWENNR		X			X		X
GSIIQNVVNNLIIDK					X		
GSIIQNVVNNLIIDKR					X		
KSEVITNVVNK			X			X	
LGPTLDPANER				X			X
LWVGNGQDIVK		X					
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X		X
SEVITNVVNK			X			X	
SLEYESQGQGSIVQNVVNNLIIDK		X					
SLEYESQGQGSIVQNVVNNLIIDKR		X					
YDNDVLFFIYNR			X			X	
YENDVLFFIYNR		X		X	X		X
YFPLNFR					X		
DRVVYGGNSADSTR		X			X		
EQWFFQPAK		X			X		
IAYGDGVDKHTELVSWK					X		
LIFAENAIK			X			X	
LIMAGNYVK		X			X		
MAWGYNGR			X			X	
NYNLALK		X		X	X		X
QFNDALELGTIVNASGDR		X			X		
QSLEYESQ GK					X		
VIFGTNTADTTR							X
VVYGGNSADSTR		X			X		
Day 1, perivisceral, 31 kDa							
SYFPIQFR	X						
IYGDSTADTFK	X						
VIFTEQTVK	X						
LIALWENNK			X			X	
SEVITNVVNK			X			X	
YDNDVLFFIYNR			X			X	
MAWGYNGR			X			X	
FITLWENNR		X			X		X
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X		X

QSLEYESQ GK					X		
VIFGTNTADTTR							X
VVYGGNSADSTR		X			X		
Day 5, perivisceral, 29 kDa							
FTPVLENNR	X						
IMSTEDKQYLK	X						
SYFPIQFR	X						
EALGHSGEVSGYPQLFAWYIVPY	X						
EYNSVMTLDEDMAANEDR	X						
IYGDSTADTFK	X						
NTMDFAYQLWTK	X						
VIFTEQTVK	X						
FITLWENNR		X			X		X
GSIIQNVVNNLIIDGSR				X			X
GSIIQNVVNNLIIDK					X		
KSEVITNVV NK			X			X	
LGPTLDPANER				X			X
LWVGNGQDIVK		X					
LWVGNGQEIVR					X		
LWVGNGQHIVR				X			X
LYNSILTGDYDSAVR		X		X	X		X
YENDVLFFIYNR		X		X	X		X
YFPLSFR		X					
YFPYNFR				X			X
AQWYLQPAK			X			X	
EQWFFQPAK	X				X		
KYFPYNFR				X			X
LIFAENAIK			X			X	
LIMAGNFVK				X			X
MAWGYNGR			X			X	
NYNLALK		X		X	X		X
QFNDALELGTIVNASGDR		X			X		
QSLEYENQ GK				X			X
QSLEYESQ GK					X		
SGIWTR				X			
VIFGTNTADTTR							X
VVYGGNSADSTR		X			X		
Day 5, perivisceral, 30 kDa							
FTPVLENNR	X						
SYFPIQFR	X						
EYNSVMTLDEDMAANEDR	X						
IYGDSTADTFK	X						
NTMDFAYQLWTK	X						
VIFTEQTVK	X						
LIFAENAIK			X			X	
AVGHDGEVAGLPDIYSWFITPF		X			X		
FITLWENNR		X			X		X
GSIIQNVVNNLIIDK					X		
GSIIQNVVNNLIIDKR					X		
HTELVSWK					X		

KSEVITNVVNK			X			X	
KYFPLSFR		X					
LGPTLDPANER				X		X	
LIALWENNK			X			X	
LWVGNGQDIVK		X					
LWVGNGQEIVR					X		
LYNSILTGDYDSAVR		X		X	X	X	X
NSDLISWK				X			X
SLEYESQGQGSIVQNVVNNLIIDK		X					
SLEYESQGQGSIVQNVVNNLIIDKR		X					
YDNDVLFYIYNR			X			X	
YENDVLFFIYNR		X		X	X		X
YFPLNFR					X		
YFPLSFR		X					
YNQYLK		X		X	X		X
AQWYLQPAK			X			X	
EQWFFQPAK		X			X		
EQWFLQPTK				X			X
IAYGDGVDK					X		
IAYGDGVDKHTELVSWK					X		
KSLEYESQGQGSIVQNVVNNLIIDK		X					
KYFPLNFR					X		
LIFAENAIK			X			X	
LIMAGNFVK				X			X
MAWGYNGR			X			X	
NYNLALK		X		X	X	X	
QFNDALELGTIVNASGDR		X			X		
QFNDALELGTIVNASGDRK		X			X		
QSLEYESQGK					X		
VIFGTNTADTTR							X
VIGSPEHYAWGIK			X			X	
VVYGGNSADSTR		X			X		
Day 5, perivisceral, 31 kDa							
FITLWENNR		X			X		X
LWVGNGQDIVK		X					
LYNSILTGDYDSAVR		X		X	X		X
SLEYESQGQGSIVQNVVNNLIIDK		X					
SLEYESQGQGSIVQNVVNNLIIDKR		X					
YENDVLFFIYNR		X		X	X		X
EQWFFQPAK		X			X		
NYNLALK		X		X	X		X
QFNDALELGTIVNASGDR		X			X		
VVYGGNSADSTR		X			X		
GSPEHYAWGIK			X				X
GSIQNVVNNLIIDK					X		
GSIQNVVNNLIIDKR					X		
HTELVSWK					X		
KSEVITNVVNK			X			X	
LGPTLDPANER				X			X
LIALWENNK			X			X	

LWVGNGQEIVR					X		
LYNSILTG DYDSAVR		X		X	X		X
SEVITNVVNK			X			X	
YDNDVLFYIYNR			X			X	
AQWYLQPAK			X			X	
IAYGDGV DKHTELVSWK					X		
MAWGYNGR			X			X	
QFNDALELG TIVNASGDRK		X			X		
QSLEYESQ GK					X		
VIGSPEHYAWGIK			X			X	
Day 5, hemolymph, 29 kDa							
FTPVLENNR	X						
IMSTEDKQY LK	X						
SYFPIQFR	X						
EYNSVM TLD E D M A A N E D R	X						
IYGDSTADTFK	X						
NTMDFAYQLWTK	X						
VIFTEQTVK	X						
EKNSDLISWK				X			X
FITLWENNR		X			X		X
GSHIQNVVN NLIIDGSR				X			X
GSHIQNVVN NLIIDK					X		
HTELVSWK					X		
KSEVITNVVNK			X			X	
LGPTLDPANER				X			X
LWVGNGQDIVK		X					
LWVGNGQEIVR					X		
LWVGNGQHIVR				X			X
LYNSILTG DYDSAVR		X		X	X		X
NSDLISWK				X			X
SLEYESQGQGSIVQNVVN NLIIDK		X					
SLEYESQGQGSIVQNVVN NLIIDKR		X					
YENDVLFYIYNR		X		X	X		X
YFPYNFR				X			X
ACVTPACAEMSAVSMSSSNK					X		
EQWFFQPAK		X			X		
EQWFLQPTK				X			X
IAYGDGV DKHTELVSWK					X		
KSLEYESQGQGSIVQNVVN NLIIDK		X					
KYFPYNFR				X			X
LIMAGNFVK				X			X
NYNLALK		X		X	X		X
QFNDALELG TIVNASGDR		X			X		
QFNDALELG TIVNASGDRK		X			X		
VIFGTNTADTTR							X
VVYGGNSADSTR		X			X		
Day 5, hemolymph, 30 kDa							
FTEQTVK	X						
FTPVLENNR	X						
EYNSVM TLD E D M A A N E D R	X						

IYGDSTADTFK	x						
NTMDFAYQLWTK	x						
VIFTEQTVK	x						
LIFAENAIK			x			x	
FITLWENNR		x			x		x
GSIIQNVVNNLIIDGSR				x			x
GSIIQNVVNNLIIDK					x		
GSIIQNVVNNLIIDKR					x		
KSEVITNVVNK			x			x	
KYFPLSFR		x					
LGPTLDPANER				x			x
LIALWENNK			x			x	
LWVGNGQDIVK		x					
LWVGNGQEIVR					x		
LYNSILTGDYDSAVR		x		x	x		x
NSDLISWK				x			x
SEVITNVVNK			x			x	
SLEYESQGQGSIVQNVVNNLIIDK		x					
SLEYESQGQGSIVQNVVNNLIIDKR		x					
YDNDVLFYIYNR			x			x	
YENDVLFYIYNR		x		x	x		x
YFPLNFR					x		
YFPLSFR		x					
AQWYLQPAK			x			x	
EQWFFQPAK		x			x		
EQWFLQPTK				x			x
IAYGDGVDKHTELVSWK					x		
KSLEYESQGQGSIVQNVVNNLIIDK		x					
KYFPLNFR					x		
LIFAENAIK			x			x	
LIMAGNFVK				x			x
LIMAGNYVK		x			x		
MAWGYNGR			x			x	
NYNLALK		x		x	x		x
QFNDALELGTVNASGDR		x			x		
QSLEYESQGK					x		
VIFGTNTADTTR							x
VIGSPEHYAWGIK			x			x	
VVYGGNSADSTR		x			x		
Day 5, hemolymph, 31 kDa							
LIFAENAIK			x			x	
FITLWENNR		x			x		x
GSIIQNVVNNLIIDK					x		
GSIIQNVVNNLIIDKR					x		
KSEVITNVVNK			x			x	
LGSTTNPSNER		x			x		
LWVGNGQDIVK		x					
LWVGNGQEIVR					x		
LYNSILTGDYDSAVR		x		x	x		x
SEVITNVVNK			x			x	

YDNDVLFYIYNR			X			X	
YENDVLFFIYNR		X		X	X		X
YFPLNFR					X		
YFPLSFR		X					
AQWYLQPAK			X			X	
EQWFFQPAK		X			X		
LIFAENAIK			X			X	
MAWGYNGR			X			X	
QFNDALELGTIVNASGDR		X			X		
QFNDALELGTIVNASGDRK		X			X		
QSLEYESQGK					X		
VIGSPEHYAWGIK			X			X	
VVYGGNSADSTR		X			X		

Tentative assignment of tryptic peptides to lipoproteins LP1-LP5, L301/L302. Peptides were often found to be deamidated or oxidized. Sequences marked in bold represent terminal peptides. Peptide location with the protein sequences is visualized in Additional file 6.