Sequence (APOA1)	*m/z*	Label	*z*	Ion type	SAAMII modeling
ATEHLSTLSEK	405.8787	light	3	precursor	yes
ATEHLSTLSEK	407.8913	heavy	3	precursor	
LSEK	476.2715	light	1	y4	
LSEK	479.2903	heavy	1	y4	
TLSEK	577.3192	light	1	y5	
TLSEK	580.3380	heavy	1	y5	
THLAPYSDELR	434.5543	light	3	precursor	yes
THLAPYSDELR	436.5669	heavy	3	precursor	
THL	352.1979	light	1	b3	
THL	355.2168	heavy	1	b3	
ELR	417.2456	light	1	y3	
ELR	420.2644	heavy	1	y3	
THLA	423.2350	light	1	b4	
THLA	426.2539	heavy	1	b4	
THLAP	520.2878	light	1	b5	
THLAP	523.3066	heavy	1	b5	
DELR	532.2726	light	1	y4	
DELR	535.2914	heavy	1	y4	
VKDLATVYVDVLK	488.2887	light	3	precursor	yes
VKDLATVYVDVLK	490.3013	heavy	3	precursor	
VLK	359.2653	light	1	y3	
VLK	362.2841	heavy	1	y3	
VLK	474.2922	light	1	y4	
VLK	477.3111	heavy	1	y4	
DVLK	573.3606	light	1	y5	
DVLK	576.3797	heavy	1	y5	
Sequence (APOA2)	*m/z*	Label	*z*	Ion type	
EQLTPLIK	471.2900	light	2	precursor	
EQLTPLIK	474.3057	heavy	2	precursor	
LIK	373.2809	light	1	y3	
LIK	376.2998	heavy	1	y3	
PLIK	470.3337	light	1	y4	
PLIK	473.3525	heavy	1	y4	
TPLIK	571.3814	light	1	y5	
TPLIK	574.4002	heavy	1	y5	
SKEQLTPLIK	578.8504	light	2	precursor	yes

SKEQLTPLIK	581.8693	heavy	2	precursor	
PLIK	470.3337	light	1	y4	
PLIK	473.3525	heavy	1	y4	
TPLIK	571.3814	light	1	y5	
TPLIK	574.4002	heavy	1	y5	
Sequence (APOA4)	*m/z*	Label	*z*	Ion type	
ALVQQMEQLR	608.3293	light	2	precursor	yes
ALVQQMEQLR	611.3482	heavy	2	precursor	
AL	185.1285	light	1	b2	
AL	188.1473	heavy	1	b2	
ALV	284.1969	light	1	b3	
ALV	287.2157	heavy	1	b3	
QLR	416.2616	light	1	y3	
QLR	419.2804	heavy	1	y3	
EQLR	545.3042	light	1	y4	
EQLR	548.3230	heavy	1	y4	
LGEVNTYAGDLQK	704.3594	light	2	precursor	
LGEVNTYAGDLQK	707.3782	heavy	2	precursor	
LGE	300.1554	light	1	b3	
LGE	303.1742	heavy	1	b3	
LQK	388.2554	light	1	y3	
LQK	391.2743	heavy	1	y3	
LGEVN	513.2667	light	1	b5	
LGEVN	516.2856	heavy	1	b5	
GDLQK	560.3039	light	1	y5	
GDLQK	563.3227	heavy	1	y5	
AGDLQK	631.3410	light	1	y6	
AGDLQK	634.3598	heavy	1	y6	
TQVNTQAEQLR	644.3362	light	2	precursor	
TQVNTQAEQLR	645.8456	heavy	2	precursor	
QLR	416.2616	light	1	y3	
QLR	419.2804	heavy	1	y3	
EQLR	545.3042	light	1	y4	
EQLR	548.3230	heavy	1	y4	

Sequence (APOC3)	*m/z*	Label	*z*	Ion type	
DALSSVQESQVAQQAR	858.9292	light	2	precursor	yes
DALSSVQESQVAQQAR	860.4386	heavy	2	precursor	
DAL	300.1554	light	1	b3	
DAL	303.1742	heavy	1	b3	
DALS	387.1874	light	1	b4	
DALS	390.2063	heavy	1	b4	
DALSS	474.2195	light	1	b5	
DALSS	477.2383	heavy	1	b5	
GWVTDGFSSLK	598.8009	light		precursor	
GWVTDGFSSLK	600.3104	heavy		precursor	
SLK	347.2289	light	1	y3	
SLK	350.2477	heavy	1	y3	
SSLK	434.2609	light	1	y4	
SSLK	437.2798	heavy	1	y4	
FSSLK	581.3293	light	1	y5	
FSSLK	584.3482	heavy	1	y5	
Sequence (APOD)	*m/z*	Label	*z*	Ion type	
VLNQELR	436.2534	light	2	precursor	yes
VLNQELR	439.2723	heavy	2	precursor	
ELR	417.2456	light	1	y3	
ELR	420.2644	heavy	1	y3	
QELR	545.3042	light	1	y4	
QELR	548.3230	heavy	1	y4	
NQELR	659.3471	light	1	y5	
NQELR	662.3659	heavy	1	y5	
Sequence (APOE)	*m/z*	Label	*z*	Ion type	
LGPLVEQGR	484.7798	light	2	precursor	yes
LGPLVEQGR	487.7986	heavy	2	precursor	
LGP	268.1656	light	1	b3	
LGP	271.1844	heavy	1	b3	
LGPL	381.2496	light	1	b4	
LGPL	384.2685	heavy	1	b4	
AKLEEQAQQIR	657.3622	light	2	precursor	
AKLEEQAQQIR	658.8716	heavy	2	precursor	
AKL	313.2234	light	1	b3	
AKL	316.2422	heavy	1	b3	

AKLE	442.2660	light		1	b4	
AKLE	445.2848	heavy		1	b4	
AKLEE	571.3086	light		1	b5	
AKLEE	574.3274	heavy		1	b5	
WELALGR	484.7798	light		2	precursor	
WELALGR	487.7986	heavy		2	precursor	
LGR	345.2245	light		1	y3	
LGR	348.2433	heavy		1	y3	
ALGR	416.2616	light		1	y4	
ALGR	419.2804	heavy		1	y4	
LALGR	529.3457	light		1	y5	
LALGR	532.3645	heavy		1	y5	
Sequence (APOM)	*m/z*	Label	*z*		Ion type	
AFLLTPR	409.2502	light	2		precursor	
AFLLTPR	412.2690	heavy	2		precursor	
AFL	332.1969	light	1		b3	
AFL	335.2157	heavy	1		b3	
LTPR	486.3035	light	1		y4	
LTPR	489.3223	heavy	1		y4	
LLTPR	599.3875	light	1		y5	
LLTPR	602.4064	heavy	1		y5	
FLLYNR	413.2345	light		2	precursor	yes
FLLYNR	416.2533	heavy		2	precursor	
FL	261.1598	light		1	b2	
FL	264.1786	heavy		1	b2	
LYNR	565.3093	light		1	y4	
LYNR	568.3281	heavy		1	y4	

Supplementary Table 2. Apolipoprotein peptides and their corresponding fragment ions used for HR/AM-PRM.