

TableS3

	Observed isotopic mass			Proposed molecule
	<i>Bme-parental</i>	<i>BmeΔlptA</i>	<i>Ba-parental</i>	
A	2173	2173	2173	C ₁₂₀ H ₂₃₀ N ₄ O ₂₄ P ₂
A-Pi	2093	2093	2093	C ₁₂₀ H ₂₂₉ N ₄ O ₂₁ P
A+ (CH ₂ -CH ₂)	2202	2002	2002	C ₁₂₂ H ₂₃₄ N ₄ O ₂₄ P ₂
B	2073	2073	2073	?
B- (CH ₂ -CH ₂)	2044	2044	2044	?
B- Pi	1993	1993	1993	?
B-Pi- (CH ₂ -CH ₂)	1965	1965	1965	?
C	2145	2145	2145	C ₁₁₈ H ₂₂₆ N ₄ O ₂₄ P ₂
C-Pi	2065	2065	2065	C ₁₁₈ H ₂₂₅ N ₄ O ₂₁ P
D	2191	2191	traces	C ₁₂₀ H ₂₃₂ N ₄ O ₂₅ P ₂
D-Pi	2112	2112	No detected	C ₁₂₀ H ₂₃₁ N ₄ O ₂₂ P
D-Pi+PEA	2237	No detected	No detected	C ₁₂₂ H ₂₃₈ N ₅ O ₂₅ P ₂