

# Martinez *et al.*, Supplemental Table 1

<b>Components required for canonical autophagy and LAP</b>		
<i>Component</i>	<i>Function/Complex</i>	<i>Reference</i>
Beclin1	Class III PI3K complex	1, 2, 4, 6
VPS34	Class III PI3K complex	1, 2, 4, 6
UVRAG	Class III PI3K complex, vesicle sorting	6
ATG5	ATG5-12-16L complex formation, complex functions as E3 for LC3-II generation	1, 2, 4, 6
ATG12	ATG5-12-16L complex formation, complex functions as E3 for LC3-II generation	6
ATG16L	ATG5-12-16L complex formation, complex functions as E3 for LC3-II generation	6
ATG7	ATG5-12-16L complex and LC3-PE formation (functions as E1)	1-6
ATG3	LC3-PE formation (function as E2)	6
ATG4	LC3 processing	6
LC3 family (LC3A, LC3B, GATE16, GABARAP)	Maturation and fusion to lysosomal compartments	6
<b>Components required for canonical autophagy only</b>		
<i>Component</i>	<i>Function/Complex</i>	<i>Reference</i>
ULK1	Pre-initiation complex	2-6
FIP200	Pre-initiation complex	4-6
ATG13	Pre-initiation complex	4-6
Ambra1	Class III PI3K complex	6
WIPI2	Recruitment of ATG5-12-16L	6
ATG14	Class III PI3K complex	6
<b>Components required for LAP only</b>		
<i>Component</i>	<i>Function/Complex</i>	<i>Reference</i>
Rubicon	Localization and activity of Class III PI3K complex, stabilization of NOX2 complex	6
NOX2	NADPH oxidase, ROS production, recruitment of ATG5-12-16L and LC3 conjugation systems	6

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