Study	Sample size	Proportion (%)	95% CI
An et al. 2007	93	18.280	11.024 to 27.646
Basil et al. 2000	229	30.568	24.669 to 36.977
Broaddus RR et al. 2005	138	18.841	12.692 to 26.374
Cohen, et al. 2011	210	24.286	18.649 to 30.664
Hirai et al. 2008	120	15.000	9.139 to 22.667
Huang et al. 2015	42	28.571	15.719 to 44.584
Black et al. 2006	473	19.662	16.173 to 23.534
Nagle et al. 2018	698	19.198	16.339 to 22.319
Mackay et al. 2010	163	19.632	13.833 to 26.569
Mills et al. 2014	605	6.612	4.765 to 8.895
Djordjevic et al. 2013	186	24.731	18.711 to 31.575
Okoye et al. 2016	411	27.981	23.691 to 32.590
Shikama et al. 2016	221	28.054	22.236 to 34.472
Stelloo et al. 2015	116	16.379	10.159 to 24.391
Total (fixed effects)	3705	19.317	18.059 to 20.623
Total (random effects)	3705	20.875	16.514 to 25.602
Q		144.751	
DF		13	
Significance level		$P < 0.001$	
I^2 (inconsistency)		91.02%	
95% CI for I^2		86.690 to 93.940	

(A)
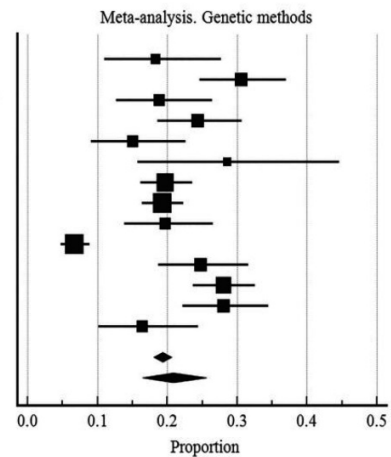
Study	Sample size	Proportion (%)	95% CI
Buschman et al. 2014	702	24.501	21.361 to 27.857
Stelloo et al. 2016	834	26.259	23.301 to 29.386
Arabi et al. 2009	91	27.473	18.633 to 37.830
Auguste et al. 2018	102	20.588	13.219 to 29.733
Bosse et al. 2018	376	43.351	38.279 to 48.529
de Jong et al. 2012	463	33.477	29.188 to 37.979
Kommoss et al. 2018	452	28.097	23.998 to 32.486
Maruyama et al. 2001	146	36.301	28.511 to 44.660
Ruiz et al. 2014	212	30.189	24.090 to 36.851
Talhouk et al. 2016	57	31.579	19.905 to 45.243
Talhouk et al. 2017	319	9.718	6.699 to 13.510
Total (fixed effects)	3754	27.558	26.135 to 29.015
Total (random effects)	3754	27.918	22.608 to 33.558
Q		132.458	
DF		10	
Significance level		$P < 0.001$	
I2 (inconsistency)		92.450%	
95% CI for I2		88.450 to 95.060	

(B)
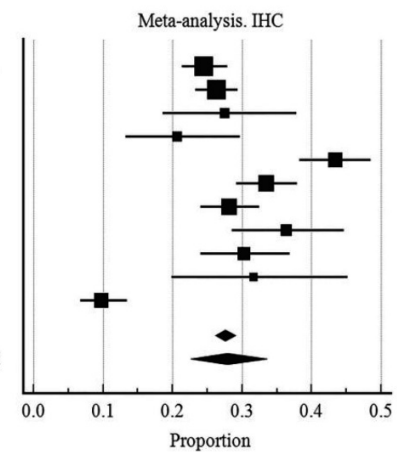
Supplementary Fig. S4. Subgroup analysis according to the method of detections [1-25]: (A) molecular techniques and (B) immunohistochemical method. CI, confidence interval.