

## Supplementary Material

**Figure S1.** Organization of GTA structural genes in *Citromicrobium* genomes. A, GTA in strains JL31, JL354, JL477, JL1351, JL2201, RCC1878, RCC1885 and RCC1897; B, GTA in strain WPS32. Yellow, conserved upstream and downstream genes (from 1 to 7) of the GTA structural gene cluster in *Citromicrobium* genomes; red, a putative transposase; pink, functions known in GTA genes; white, hypothetical genes; gray, conserved hypothetical genes belonging to GTA.

**Figure S2.** Structure and organization of prophage in *Citromicrobium*. Pink, early expression genes; orange, heads; yellow, tails; red, transposase; green, lysozyme genes; light gray, putative proteins.

**Table S2.** Average Nucleotide Identity by pairwise genome comparison

Figure S1

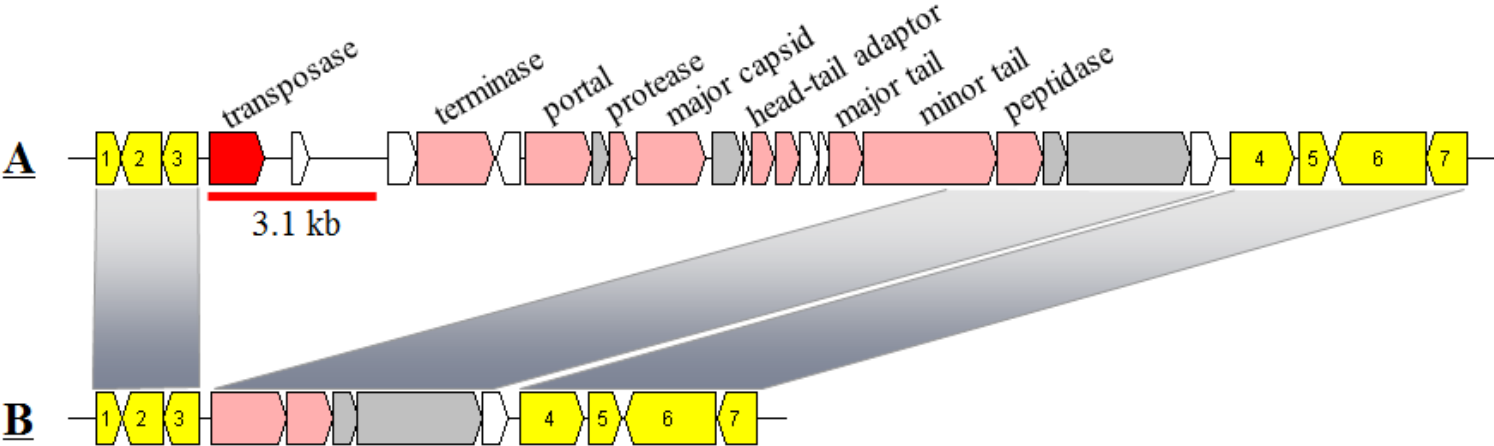
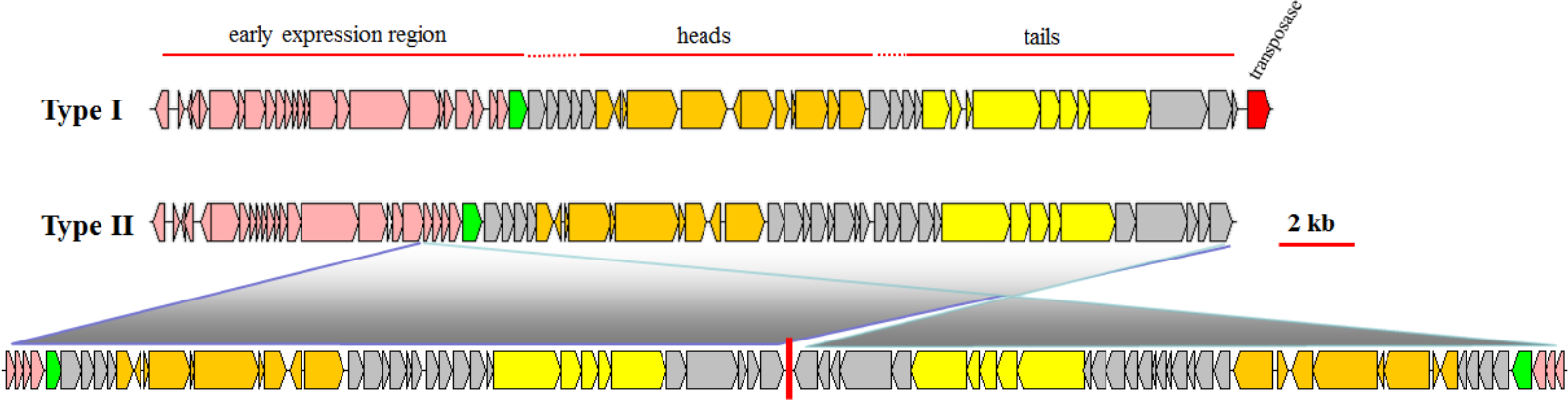


Figure S2



**Table S2.** Average Nucleotide Identity by pairwise genome comparison

	<b>JL31</b>	<b>JL354</b>	<b>JL477</b>	<b>JL1351</b>	<b>JL2201</b>	<b>RCC1878</b>	<b>RCC1885</b>	<b>RCC1897</b>	<b>WPS32</b>
JL31	*	<b>99.86</b> [96.54]	<b>99.88</b> [96.55]	<b>100</b> [99.63]	<b>100</b> [99.67]	<b>96.32</b> [91.00]	<b>96.32</b> [90.99]	<b>96.32</b> [90.99]	<b>96.29</b> [90.41]
JL354	<b>99.71</b> [93.86]	*	<b>100</b> [98.73]	<b>99.71</b> [93.88]	<b>99.63</b> [94.85]	<b>96.04</b> [88.79]	<b>96.04</b> [88.78]	<b>96.04</b> [88.78]	<b>96.19</b> [87.26]
JL477	<b>99.72</b> [93.70]	<b>99.98</b> [98.69]	*	<b>99.73</b> [93.75]	<b>99.64</b> [94.87]	<b>95.96</b> [88.84]	<b>95.96</b> [88.84]	<b>95.96</b> [88.84]	<b>96.15</b> [87.09]
JL1351	<b>100</b> [99.59]	<b>99.83</b> [96.58]	<b>99.84</b> [96.63]	*	<b>100</b> [99.66]	<b>96.34</b> [91.01]	<b>96.34</b> [91.00]	<b>96.34</b> [91.03]	<b>96.31</b> [90.60]
JL2201	<b>100</b> [96.25]	<b>99.57</b> [94.63]	<b>99.57</b> [94.83]	<b>100</b> [96.28]	*	<b>96.17</b> [90.06]	<b>96.17</b> [90.06]	<b>96.17</b> [90.06]	<b>96.34</b> [87.43]
RCC1878	<b>96.47</b> [87.37]	<b>96.26</b> [87.53]	<b>96.22</b> [87.49]	<b>96.47</b> [87.43]	<b>96.46</b> [88.33]	*	<b>100</b> [99.62]	<b>100</b> [99.62]	<b>96.45</b> [87.04]
RCC1885	<b>96.47</b> [87.40]	<b>96.27</b> [87.47]	<b>96.24</b> [87.42]	<b>96.47</b> [87.44]	<b>96.45</b> [88.32]	<b>100</b> [99.65]	*	<b>100</b> [99.65]	<b>96.47</b> [86.97]
RCC1897	<b>96.40</b> [87.35]	<b>96.22</b> [87.31]	<b>96.16</b> [87.42]	<b>96.40</b> [87.37]	<b>96.39</b> [88.21]	<b>99.98</b> [99.64]	<b>99.98</b> [99.64]	*	<b>96.48</b> [86.65]
WPS32	<b>96.39</b> [89.91]	<b>96.44</b> [89.07]	<b>96.41</b> [88.84]	<b>96.39</b> [89.95]	<b>96.39</b> [89.90]	<b>96.51</b> [89.98]	<b>96.51</b> [89.98]	<b>96.51</b> [89.98]	*