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1 Abstract 5 1 Statemann Stat	ORF Affinity Approach to Target ID Affinity chromatography of bacterial lysate over immobilized without ORF Typicic peptide mapping, mass spectrometry of without proteins spectrometry of without proteins Target validation Confirm ORF-Target interaction Confirm ORF-Target interaction	9 S. aureurs DNA and RNA Synthesis Proteins Identified by Phage Inhibitory ORFs Representative of Off-size (a) Secondaria (a) Secondaria Representative of Off-size (a) Secondaria Representative of Off-size (a) Secondaria Control of Secondaria	 Bachanism of Action Studies Using R1 Triangle System Use S. acruss stars with 2 access of mergeneous Succeptability usating for colocal corporations Succeptability	MRSA Ecad Compounds Vs Known Antibiotics Compound with Minister in Ministe
With its unique proposed probage seconds platform. PhageTech Inc. Information and exploits the natural information developed by lacitate virtues phages. PhageTech Inter and Phages Tech Virtues and Virtues participants. PhageTech Inter and Phages Text kill Supplexocca aureus. Simplexoccas provervines and Phages Text kill Supplexoccas aureus. Text and the supplex second second second second second second families and Text bacterial targets have been identified. ITTS signed these targets as identified a number of novel small medical compounds that may minic the phage-terined integration aureus in their antibacterial effects. Different from phage breary, the approximal sports Text and aureus and and aureus and the bacterial targets involved in consent bacterial targets phage-selected bacterial targets involved in consent bacterial targets involved in	S. aureus Target of ORF104	Summary of Assay Technology Assay Players Type Principle Readout FP Target/ORP Puzetein Target polatices Fluorescence TR-FRET Target / ORP Pressen Fluorescence Puzetein Fluorescence TOA Target Enzyme Label incorporation Radioactivity	Properties of UKR-104/K-1-Jonnydd Small Moleculus Small Moleculus Small Moleculus Interestien 6 & awwer ymothyl far yn ymer ymoth gefydl Gael a gwer y moleculus gefydl Gael a gwer y moleculus gefydl Gael a gwer y moleculus 1 1.5 6.125 6.8 1.5 4 2 0.4 1 2.4 6.5 6 3 4.8 16 1.5 1.5 8.2 9 0.4 10 2.4 6.5 8 3 0.4 8 16 1.5 1.5 7 8 0 0.5 10 0.5	Effect of Serum Proteins on Activity of Compounds Compand MC for S arrate (pm) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.00000 0.000 0.000000 0.000 0.000000 0.0000 0.000000 0.0000 0.000000 0.0000 0.000000 0.0000 0.000000 0.0000 0.0000000 0.0000 0.0000000 0.0000 0.00000000 0.00000 0.000000000 0.000000 0.000000000 0.0000000
7 Major Approaches to Antibacterial Discovery • Scowing of anadate metodea in where Based assiss for antibacterial • Analoging of home dampounds for dug candidates with the gad of creating rever or • Discover determined on the compounds for known therapeutic targets with established • Targetslead of shore and targets selected by phages = • Analoging of the Plaget find dug docovery platement include: • anoses to elevated targets • enterer validation of the based at largets by phages	ORF104 Inhibits ⁹ H-thymidine Incorporation Effect degression of OPPier on syntacks of merometacian of the degression of OPPier on Syntacks	11 Screen Strategy Small molecule compounds ↓ Primary screening Actives Continued actives ↓ over response testing Hits ↓ in vite functional testing, if available Confirmed functional Lead	15 Activities of One Lead Series Against R12	19 Evaluation of Cytotoxicity in HeLa Cells Use of the second
Bacterial Phage Tech's Genomics and Functional Genomics Programs Bacterial Phages Summary of Phage Tech's Genomics and Functional Genomics Programs Bacterial Comores Summary Phages Summary Phages Comores CRFs Summary CRFs Passe 0 8 20 10 8 20 11 00 11 00 11 00 11 00 11 00 11 00 11 00 11 00 11 00 11 00 11 00 12	Validation of Bacterial Targets from the Proteomics Platform • Several targets were identified from 3. array spatse using immobilized inhibitory plage ORFs • Direct interactions between inhibitory plage ORFs and their cognets beschell angets avec confirmed by: • Yeast two-thytid analysis • Placore • Target south of PRET (TR-FRET) • Fluoresconce polarization (FP) • These bacterial targets are: • essential • essential	Terpet Assay Library Attives Continued actives His South Control actives His South Control actives Control actives Library South Control actives Control actives His South Control actives C	Image: Displaying the second second second region of the second region	20 Summary - Registrach has sequenced the genomes of V pages of S averus S pre-unorate and P average loading of the sequence of the genomes of S averus is to genome - Reveal loading of the sequence of the sequence of the sequence - Reveals loading of the sequence of the sequence of the sequence - Reveals loading of the sequence of the sequenc